

Numbers & Oddities
a.k.a. The Spooks Newsletter
Edition #326, November 2024

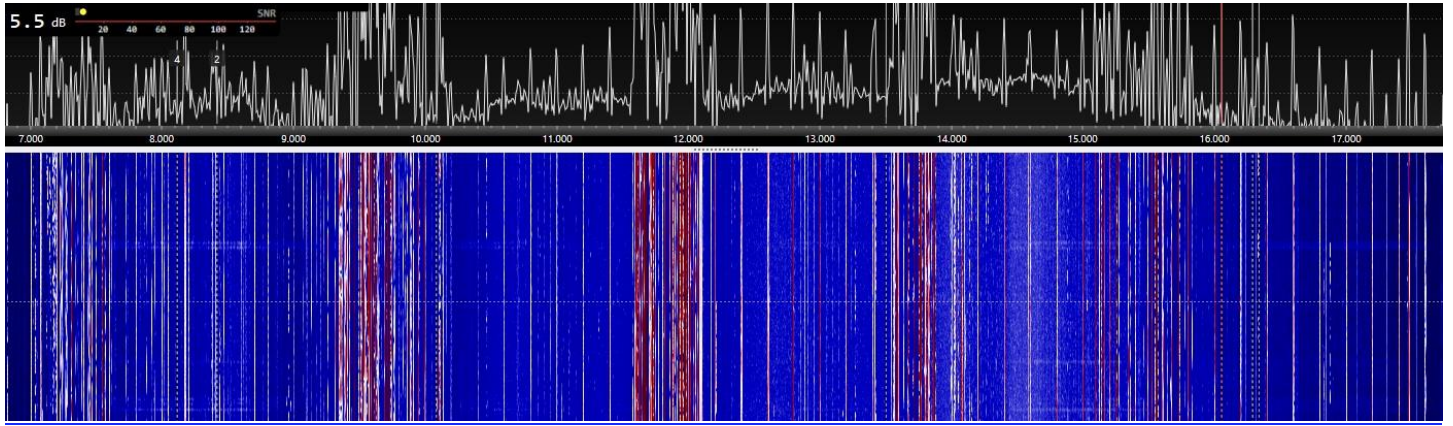
Numbers & Oddities <http://www.numbersoddities.nl>

"Numbers & Oddities" covers the fascinating world of Numbers Stations and other odd radio signals on shortwave.

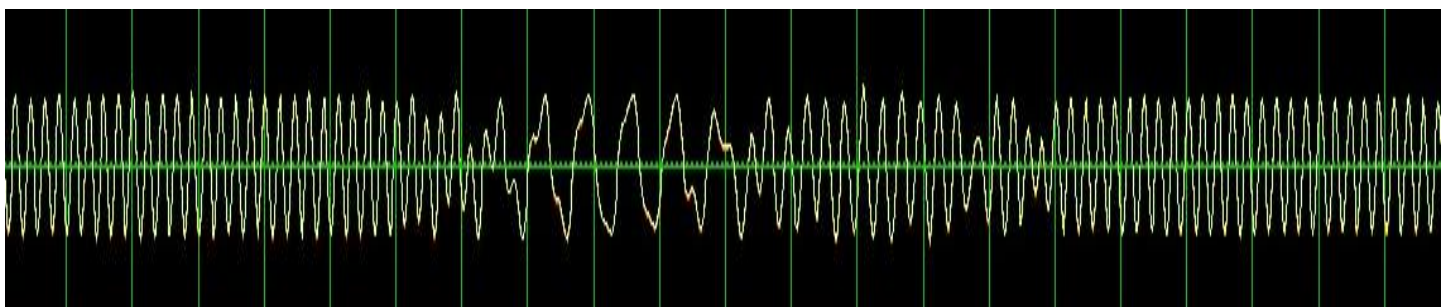
TOP SECRET

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FOREWORD

November brought us a large amount of Russian intelligence transmissions, especially XPB1 and MFSK-21/MFSK-13 broadcasts, but also G06, S06, M14 and M14d tests were logged. S06c was active as well.

Monitoring several active Egyptian diplomatic frequencies resulted in quite some logs as you can see in this issue. M23 was still on the air at the beginning of the month but was not reported after November 7th and HM01 is still in hibernation. E06 did not return to the air in November. Another one down the drain?

Pille surprised us with his log of MC03, which isn't a regular station in N&O and Fspy sent us some interesting V13 transcripts. Included are also a bunch of M42 and M42b transcripts. Further you will find PY's extensive F01 and F06 reports.

Together we collected well over **3400 logs!!!!** So, thanks to all contributors!

VOICE STATIONS

E07

14737/13537/12137 kHz, 1500/1520/1540 UTC

14737/13537/12137 kHz, 01-11, 1500/1520/1540 UTC

751 751 751 1 3654 104 3654 104
55344 64947 09431 23155 58862 94551 14301 04995 24777 22863
54722 88002 80554 67615 93265 51402 69119 05510 76175 72771
23467 45535 87573 71340 17208 17808 22961 61227 44741 20521
74963 00603 94582 84824 03299 49360 40357 77481 60119 94155
13901 98701 36778 64541 78252 58463 23509 77127 10205 00261
98548 84041 41903 33070 62704 28109 46298 26348 69645 48526
91378 89168 42117 90200 52516 84218 25887 13563 27775 39762
61452 50484 17520 27636 06990 76193 63178 52270 69819 56203
67562 13208 30072 37553 38133 63394 13571 18777 75380 88175
05545 89784 72300 28487 93000 95519 80315 81038 13811 69670
54675 54593 78264 50516 000 000

14737/13537/12137 kHz, 12-11/15-11, 1500/1520/1540 UTC

751 751 751 1 368 95 368 95
02110 58259 55506 56574 07236 83085 66442 75663 30936 57584
33751 44246 26691 48682 32517 21503 46189 27221 60811 05895
60523 78693 69259 05083 88363 49472 92767 39713 92812 95790
69743 42856 21449 53669 57616 75038 28354 30504 96589 28024
62944 32491 76511 87636 19135 74801 21170 99008 00451 72694
39995 23702 60860 83037 68730 42938 21890 58114 95386 70946
91755 32307 30192 80398 83851 91289 70622 69330 08481 02343
69166 74890 98612 74380 35743 44179 63032 98847 99774 64643
75564 26884 98946 79095 61801 86719 94966 74289 32373 21128
51900 15071 72516 77381 43125 000 000

14737/13537/12137 kHz, 26-11/29-11, 1500/1520/1540 UTC

751 751 751 1 2284 176 2284 176
79547 34383 54301 37894 57073 21938 48301 67410 27650 13032
03822 66794 54511 13625 09600 80686 83560 04912 64526 00248
76406 52772 13903 73223 55574 23144 45927 02904 87788 53298
29373 91449 70892 70350 16435 24644 21593 87761 79320 58976
90291 50914 66039 20036 78905 57282 38073 87652 83543 65808
66873 73952 96728 55860 26296 31960 26661 27384 39872 19726
70442 21290 70693 67238 25911 09863 44531 96157 26957 35056
23334 52741 86201 28698 07076 43427 82768 04159 02978 54100
33524 03332 42149 59458 28909 28312 96679 42649 52071 86314
49618 12026 37115 08602 08532 06376 13172 66200 18737 36056
35551 85212 27761 06671 53906 62670 71316 33923 15905 34739
63244 12409 70451 18547 62713 37470 59210 65680 98093 63199

16210 62072 60365 39394 73184 09645 85286 58258 76174 21070
02458 21447 32747 40074 06972 46254 74746 27688 34526 59762
83407 09964 76699 24001 21214 85689 52773 92622 06052 69922
45996 02285 44503 32632 32759 95456 61935 58295 12062 31731
47204 12398 14745 58646 39941 95031 35769 12997 78453 68781
93715 85397 01512 12403 22682 26838 000 000

11547/10274/9274 kHz, 1410/1430/1450 UTC

11547/10274/9274 kHz, 07-11/09-11, 1410/1430/1450 UTC

327 327 327 1 681 118 681 118
98895 86731 92424 75319 02088 37132 47600 60185 88439 38252
15492 74223 07046 71950 66020 56177 79550 95058 95306 43769
41795 35247 34362 85097 97068 75345 58336 63775 40045 52630
25394 63821 40791 11187 51999 56991 53180 33153 85603 01123
29804 85950 64666 52423 57972 33556 24471 87794 56259 01289
15076 99630 00053 90220 54332 53258 11360 35975 36214 44038
42960 58279 15525 76560 04272 68609 05782 27484 39849 65951
44115 40500 81480 30959 18335 67677 32820 65799 85830 88788
03597 30892 49036 18300 99637 35625 20976 93516 91465 98364
85264 44364 33476 67878 07643 62124 36712 86880 59929 66975
91794 45012 65226 89806 21424 22267 19881 67314 31919 26298
69932 28194 07554 70418 82178 50023 11406 13273 000 000

11547/10274/9274 kHz, 21-11/23-11, 1410/1430/1450 UTC

327 327 327 1 626 70 626 70
19818 79051 71281 37669 19628 41421 49355 49176 06732 29972
28744 68271 31306 22903 14563 94489 31657 20398 91023 30012
41891 81446 52685 42321 67662 79026 31991 26279 29863 53015
51973 40686 83148 21711 84692 66325 63965 74506 99222 59420
62499 48396 79278 77183 13525 73597 57814 98019 60916 20397
44389 07943 71527 61094 01599 65834 66246 98738 05796 91667
29134 75546 31427 59605 24388 62445 18940 67807 84263 88396
000 000

E11a

5371 kHz. 02-11/03-11, 0700 UTC

490/33 Attention
48898 34382 06464 84949 67525 16012 95324 54532 40939 12735
52407 95555 42037 74552 81763 57049 31084 30957 98983 22136
27583 79222 01369 89726 21221 56552 07718 68265 94475 74167
33170 21361 34409
Attention (message repeated) Out

10213 kHz, 04-11, 0745 UTC

5409 kHz, 07-11, 1530 UTC

267/35 Attention
37120 32826 22852 88075 85605 56250 74016 50135 42529 61828
12548 83570 86000 18910 25331 94965 63181 70346 23578 68209
04949 83524 30249 21142 31040 44132 62605 54560 63535 38096
32951 59726 67968 79822 46687
Attention (message repeated) Out

6804 kHz, 05-11/08-11, 0700 UTC

571/35 Attention
08001 59123 40328 44703 59041 91809 87792 06787 75797 94624
39344 31266 22724 78017 08977 54857 08618 11171 32426 94406
52876 64502 32273 64074 52284 93835 52949 43054 78868 15593
24346 78213 74646 08258 02303
Attention (message repeated) Out

5432 kHz, 05-11/10-11, 1605 UTC

237/40 Attention

88953 87994 88312 26444 58509 80991 25619 65927 70545 50752
23494 15617 99473 86621 35575 88754 46883 64682 07647 30752
10161 76496 95219 26721 14957 84156 61976 15853 63747 12934
49491 36185 49407 42722 67970 43311 08241 96574 70803 22002
Attention (message repeated) Out

20167 kHz, 06-11, 0715 UTC

750/38 Attention

99285 49166 94095 37547 15215 80318 66662 15010 06262 38321
58621 01978 56319 42176 84182 47628 90734 53601 11068 37522
52221 30707 16825 88628 44518 74351 08381 81553 61196 42800
22581 42723 49454 76666 19459 95860 09546 55836
Attention (message repeated) Out

11104 kHz, 07-11, 0820 UTC

439/33 Attention

68744 60467 76952 36375 83728 43484 01473 54259 18554 08696
60216 48587 41865 17864 85591 25080 55661 71765 57288 06754
88420 39422 02549 02005 28000 36872 52221 61144 48350 23836
04414 05011 73381
Attention (message repeated) Out

10487 kHz, 08-11/10-11, 1910 UTC

618/34 Attention

67572 59310 90338 59123 13368 54743 37511 38498 55996 05228
77086 69765 27622 07254 04683 00967 36334 35662 04332 20615
76121 62413 74130 86516 25259 93904 40908 66657 13348 40779
13039 04028 13064 10019
Attention (message repeated) Out

4909 kHz, 09-11/10-11, 1645 UTC

364/31 Attention

60764 00032 71573 01123 63247 99372 91224 08085 25779 38787
26216 59833 22070 84909 80606 07609 39743 02464 96669 53370
32780 45243 23979 18437 42598 30917 70317 22999 29068 40981
97088
Attention (message repeated) Out

23353 kHz, 11-11/15-11, 0830 UTC

189/35 Attention

17927 92794 24065 93403 02752 22552 30104 93709 82812 35050
46655 35643 32500 33429 84587 31436 05254 72258 30707 28206
72085 06193 44816 51429 37484 41515 26611 37288 72411 61281
38621 53577 20752 40212 93499
Attention (message repeated) Out

6849 kHz, 11-11/14-11, 1900 UTC

648/40 Attention

77578 53741 66530 55100 20076 24091 87434 75235 41883 61492
70139 08857 55762 64383 75548 56966 93088 00310 60796 65777
87758 21518 71490 44596 46646 71981 77905 37757 39271 74870
24114 35786 97593 27076 22745 95882 42430 44220 61424 86695
Attention (message repeated) Out

9079 kHz, 12-11/15-11, 1000 UTC

302/36 Attention

30419 97706 15089 16176 03650 73193 11431 38709 07951 76264
77257 10672 58011 08558 18421 78538 95328 56187 62372 24767
95225 45005 55544 67361 18714 57131 10485 94213 50171 16889
73539 38264 59601 41773 69795 17710
Attention (message repeated) Out

13363 kHz, 12-11/16-11, 1430 UTC

919/40 Attention

99772 21125 44564 01401 78991 51389 35271 99360 83569 60434
41248 80201 42527 66391 86865 63032 83448 08488 24449 41881
10024 27998 38553 12824 08243 97914 71350 87436 57416 56519
03436 90742 83611 85539 76425 32071 28006 91438 00382 22353
Attention (message repeated) Out

5082 kHz, 13-11/15-11, 1715 UTC

975/40 Attention

87794 77110 52024 64771 84052 20584 38431 78302 69073 89769
72142 42586 86322 43061 39636 81633 54448 26620 39822 37173
44435 21860 21012 29787 40228 90357 58143 44123 02758 06884
93083 54214 64169 41734 82252 72336 63087 41324 96217 63770
Attention (message repeated) Out

5082 kHz, 14-11, 2000 UTC

524/40 Attention

64569 12766 83516 93070 93800 05373 59450 08583 36446 42698
00448 96331 26382 60959 59170 26014 49286 79784 96733 92791
50768 45868 52111 68930 74392 70209 73224 60030 94454 12602
01805 55530 12554 97060 37309 27771 54992 56581 05630 52734
Attention (message repeated) Out

7850 kHz, 15-11/17-11, 0600 UTC

354/34 Attention

78747 63375 42282 93874 33627 51290 76160 91922 03980 38726
28387 66542 36012 04547 14196 45918 31266 05648 91188 37616
88305 29190 47564 88255 51987 30821 07408 33840 58376 60814
25680 68884 15016 62074
Attention (message repeated) Out

23004 kHz, 18-11, 0600 UTC

944/33 Attention

32397 34600 83545 12395 23071 07106 66704 69860 42142 57195
18251 78293 82486 46617 57183 41160 90291 95299 92589 21385
10795 64882 76705 68031 46661 92031 28777 84193 87811 87502
30388 86262 64452
Attention (message repeated) Out

12067 kHz, 18-11/20-11, 0845 UTC

713/31 Attention

32114 68748 29226 44621 31374 99331 80361 54846 43794 58527
49764 06332 52576 26913 28208 14391 46832 22361 54166 30092
85054 29775 66746 71933 94907 77064 13915 62556 77716 24873
73939
Attention (message repeated) Out

4909 kHz, 18-11/21-11, 1300 UTC

314/39 Attention

63427 83873 74595 64499 62507 81748 83599 22722 18357 73262
17171 24255 745251 6664 83537 05361 86020 98921 40529 35679
82070 57340 36598 60359 96077 72601 73286 63941 84340 75609
83403 63696 67348 17409 08444 93351 46869 97625 66491
Attention (message repeated) Out

14611 kHz, 19-11/20-11, 0820 UTC

131/31 Attention

63820 65310 90457 96438 33220 74509 91234 18772 98112 62483
14902 16391 10130 91812 30159 00946 76878 76378 58300 74987
52372 73461 52839 03919 24174 50251 50388 82652 22580 68868
23790
Attention (message repeated) Out

23004 kHz, 20-11, 0600 UTC

944/33 Attention

32397 34600 83545 12395 23071 07106 66704 69860 42142 57195
18251 78293 82486 46617 27183 41160 90291 95299 92589 21385
10795 64882 76705 68031 46661 92031 28777 84193 87811 87502
30388 86262 64452

Attention (message repeated) Out

17378 kHz, 20-11/22-11, 0745 UTC

344/37 Attention

90093 78796 97808 26832 75809 69291 57581 54073 11999 28588
40065 52040 89105 54102 74456 41508 10269 67138 24083 21485
58895 03228 23722 46931 03881 89360 83743 69802 96596 73289
95668 91337 47803 79964 11010 11963 12297

Attention (message repeated) Out

7469 kHz, 20-11/21-11, 0930 UTC

277/33 Attention

18667 90135 43568 08282 81136 13912 56924 81946 72266 77607
16536 30126 99666 41996 08057 09278 04588 95594 72000 94514
51212 76988 95561 60730 94409 05531 20462 69821 93577 68154
76499 80768 52885

Attention (message repeated) Out

4505 kHz, 20-11/23-11, 1610 UTC

391/33 Attention

79666 84057 39656 94317 34839 20182 42143 86766 58046 82814
58859 84870 98377 87663 49406 82488 74039 56766 21934 38157
96211 10572 80604 98468 43011 20524 63111 66687 10024 43735
06115 09527 71001

Attention (message repeated) Out

6849 kHz, 22-11, 1815 UTC

929/37 Attention

51720 22002 49424 13973 40749 71475 36353 47136 15271 75923
08033 61260 94171 24507 61732 41850 43031 63748 43137 25636
61354 19664 93959 63433 66627 17441 94374 05481 06440 29983
96066 49377 33978 85125 35760 73051 27729

Attention (message repeated) Out

15915 kHz, 25-11/27-11, 0900 UTC

534/34 Attention

12702 64104 10089 46563 65186 33918 17584 84037 58898 76117
09878 39810 91259 38056 71680 51620 51635 85079 68997 85723
37417 86212 42584 67365 59526 02271 31385 41271 98094 85906
62440 74038 47699 90479

Attention (message repeated) Out

14410 kHz, 25-11/27-11, 1045 UTC

694/26 Attention

33210 33365 75960 24061 70032 46242 81109 32074 64225 32617
62013 24368 59590 12197 27462 12413 60301 08773 58107 75700
72705 16619 94287 53299 21630 16342

Attention (message repeated) Out

12385 kHz, 26-11, 0645 UTC

7840 kHz, 28-11, 0645 UTC

519/40 Attention

46964 85013 72631 70530 36196 04720 76694 23052 75111 94897
96948 50100 20657 49023 11136 87989 08510 09594 30826 85246
81020 81476 90674 02368 50111 94460 54575 16589 14491 00727
94619 47649 96450 54487 52113 45432 97635 01275 41822 79057

Attention (message repeated) Out

14975 kHz, 26-11/29-11, 0715 UTC

639/36 Attention
24355 06418 70823 82183 29064 18508 74495 68674 96696 87930
68695 03648 62883 44077 59477 97986 02890 43600 97180 25623
29207 21669 05637 92308 52990 12149 59932 33778 92756 69666
91848 07164 66659 09949 74182 14156
Attention (message repeated) out

13908 kHz, 26-11/28-11, 0745 UTC

221/38 Attention
99701 94544 05030 31785 00154 89066 62441 89620 72156 53437
39396 39670 82736 74406 13925 17104 70596 29029 10622 76402
41452 04436 57110 82700 84063 53586 44483 56940 72511 88725
66435 00742 72746 11194 90207 93946 78361 56492
Attention (message repeated) Out

17378 kHz, 26-11/28-11, 0845 UTC

154/37 Attention
46852 30596 60774 52393 80943 49200 73829 42280 48115 03124
60386 85737 45921 28339 52548 61284 64454 70326 74482 54258
17636 65090 49785 58264 34670 12053 36310 60456 96731 14043
78238 50299 39865 27798 67296 70286 49224
Attention (message repeated) Out

11559 kHz, 26-11/27-11, 1205 UTC

463/31 Attention
82385 96529 89744 26664 30581 81149 50214 11752 98083 72653
21012 98446 49440 82881 81839 99953 01483 41460 01530 21360
70491 55017 84281 28663 24869 58125 89777 23355 57112 37921
71909
Attention (message repeated) Out

G06

9463 kHz, 11-11, 1124 UTC. Windows XP startup system sound

9463 kHz, 11-11, 1150 UTC
801 (R4m) 963 52
12876 20071 81151 60557 94894 14672 86768 01975 20120 88814
84165 55482 85796 35523 [10s silence]
801 (R1m55s, second G06 voice "801 963 96-" overlapping at 57s in)
20120 88814
84165 55482 85796 35523 47521 12260 24261 73689 32310 29733
97912 66647 86918 83398 27084 05298 87010 32419 86765 35467
91093 91177 33114 34198 40702 23966 45678 64650 53658 05020
96296 64299 83825 11065 80577 46132 45816 38567 72927 17509
28067 62890
963 52 00000

Full recomposed message:

801 963 52
12876 20071 81151 60557 94894 14672 86768 01975 20120 88814
84165 55482 85796 35523 47521 12260 24261 73689 32310 29733
97912 66647 86918 83398 27084 05298 87010 32419 86765 35467
91093 91177 33114 34198 40702 23966 45678 64650 53658 05020
96296 64299 83825 11065 80577 46132 45816 38567 72927 17509
28067 62890
963 52 00000

7923/5943 kHz, 21-11, 2000/2100 UTC. It usually sends on the 3rd Friday
7923/5937 kHz, 22-11, 2000/2100 UTC

842 579 33
55108 51055 69644 26093 88899 24216 48382 46923 15013 93375
36090 77309 80002 67069 83138 52191 94527 86882 62109 88335
85676 24170 05483 50904 88052 06298 90714 19334 81990 61670
75158 20355 70000
579 33 00000

Test transmissions

10755 kHz, 09-11, 0925 UTC. Windows XP startup system sound
10755 kHz, 09-11, 0950 UTC

975 (R4m) 328 60
89457 87435 93647 43356 95326 48218 82388 49397 28127 79784
51008 11159 53999 13114 30735 41506 95830 30478 47162 14564
30093 18414 28856 27537 89647 50484 64894 07140 89692 85758
41020 09110 19039 93946 09090 84209 63906 43146 69515 09186
56434 11106 71382 0609 [18s silence] 05981 59923 [30s silence]
975 (R1m)
56434 11106 71382 06093 65072 05981 59923 98440 69070 07482
26053 77596 84222 64381 37637 77874 32078 09304 57182 83759
328 60 00000

Full recomposed message:

975 328 60
89457 87435 93647 43356 95326 48218 82388 49397 28127 79784
51008 11159 53999 13114 30735 41506 95830 30478 47162 14564
30093 18414 28856 27537 89647 50484 64894 07140 89692 85758
41020 09110 19039 93946 09090 84209 63906 43146 69515 09186
56434 11106 71382 06093 65072 05981 59923 98440 69070 07482
26053 77596 84222 64381 37637 77874 32078 09304 57182 83759
328 60 00000

11073 kHz, 09-11, 1440 UTC

352 (R1m45s) [3s silence]
52 352 (R1m35s) [20s silence]
2 352 (R50s) 790 61
18277 62750 87795 59340 38346 13124 77595 36965 64410 07273
38091 41231 59814 80357 12253 97807 81986 39902 14621 39037
65851 01622 04221 37277 34302 6051 [42s silence]
352 (R1m)
65851 01622 04221 37277 34302 60514 33757 19588 15399 95640
67252 24717 71010 32029 83340 88289 66549 08152 06388 67174
36523 22401 32636 38935 25569 57013 43547 37327 09658 02864
23549 09757 27173 33580 24360 07662 74533 02418 43082 45731
46052
790 61 00000

Full recomposed message:

352 790 61
18277 62750 87795 59340 38346 13124 77595 36965 64410 07273
38091 41231 59814 80357 12253 97807 81986 39902 14621 39037
65851 01622 04221 37277 34302 60514 33757 19588 15399 95640
67252 24717 71010 32029 83340 88289 66549 08152 06388 67174
36523 22401 32636 38935 25569 57013 43547 37327 09658 02864
23549 09757 27173 33580 24360 07662 74533 02418 43082 45731
46052
790 61 00000

10755 kHz, 19-11, 0800 UTC

975 (R4m) 812 60
50970 59393 84218 19190 59732 73131 29789 67684 86552 34728
04065 14574 18771 85744 14147 66827 23532 98403 78639 79941
65699 08906 12996 78419 78987 16864 45426 29076 01264 05533 [30s silence]
975 (R9m40s)
16864 45426 29076 01264 05533 36818 34373 09942 62536 03094
37948 18407 05761 63440 5955119424 44113 62868 01553 86443
27840 42517 94228 68766 6806956149 71996 41489 30288 56280
97801 96166 31436 98371 77832
812 60 00000

Full recomposed message:

975 812 60
50970 59393 84218 19190 59732 73131 29789 67684 86552 34728
04065 14574 18771 85744 14147 66827 23532 98403 78639 79941
65699 08906 12996 78419 78987 16864 45426 29076 01264 05533
36818 34373 09942 62536 03094 37948 18407 05761 63440 59551
19424 44113 62868 01553 86443 27840 42517 94228 68766 68069
56149 71996 41489 30288 56280 97801 96166 31436 98371 77832
812 60 00000

11073 kHz, 20-11, 1330 UTC

352 (R4m) 189 40
47030 34295 32122 02511 54503 08600 44079 43287 57384 88203
19183 59597 19733 88213 81963 94080 29724 99382 10577 34467
85749 87374 76862 32614 85350 06180 57207 77545-
[4m23s silence] 352 (R1m)
32614 85350 06810 (group corrected) 57207 77545 84173 61641
93881 20937 17130 86005 11573 78473 98950 09452 18762 55530-
[22s silence] 352 (R1m) 189 40- [6s silence]
352 (R1m30s) [16s silence] -52 352 (R1m10s)
06180 (group uncorrected) 57207 77545 84173 61641
93881 20937 17130 86005 11573 78473 98950 09452 18762 55530
189 40
352 (R1m) 407 16
78174 56942 61727 66205 45400 20513 92491 62994 36252 69774
16047 78240 55985 66714 95923 72546
407 16 00000

Full recomposed messages:

352 189 40
47030 34295 32122 02511 54503 08600 44079 43287 57384 88203
19183 59597 19733 88213 81963 94080 29724 99382 10577 34467
85749 87374 76862 32614 85350 06810 57207 77545 84173 61641
93881 20937 17130 86005 11573 78473 98950 09452 18762 55530
189 40
352 407 16
78174 56942 61727 66205 45400 20513 92491 62994 36252 69774
16047 78240 55985 66714 95923 72546
407 16 00000

9463 kHz, 21-11, 1400 UTC

801 (R35s) 8 [test carrier]
1 801 (R3m30s) 376 25
87863 27797 04262 26154 36426 31608 50478 03889 12554 20494
91124 63116 63181 18659 69856 10278 36323 20142 01766 20318
79129 97891 12508 01079 03639
376 25
801 (R1m) 634 25
67151 04433 30052 01302 33783 04731 64015 17353 64665 09424
24728 36373 83028 47532 96631 52215 91416 73 [4m25s silence]
01 801 (R1m) [15s silence]
801 (R2m10s)

8 [16s silence]
801 (R1m05s)
83028 47532 96631 52215 91416 73155 32134 11469
20507 03334 09665 47463 17878
634 25 00000

Full recomposed messages:
801 376 25
87863 27797 04262 26154 36426 31608 50478 03889 12554 20494
91124 63116 63181 18659 69856 10278 36323 20142 01766 20318
79129 97891 12508 01079 03639
376 25
801 634 25
67151 04433 30052 01302 33783 04731 64015 17353 64665 09424
24728 36373 83028 47532 96631 52215 91416 73155 32134 11469
20507 03334 09665 47463 17878
634 25 00000

10755 kHz, 22-11, 0820 UTC
975 (R4m) 018 26
19350 36826 22424 57246 69253 62465 37762 02370 00632 66014
78167 64456 45242 29389 43807 72336 62251 98486 89543 02160
16569 93637 70906 75976 15491 1 (14s silence)
975 (R2m33s) 13s silence
975 (R1m43s)
16569 93637 70906 75976 15491 11548
018 26
975 (R1m) 349 26
82730 09718 37987 21420 51101 97461 20908 30773 40259 98470
18362 61606 19965 63278 66669 88865 06627 57302 84800 41738
92935 52764 52679 88975 43221 49211
349 26 00000

Recomposed messages
975 018 26
19350 36826 22424 57246 69253 62465 37762 02370 00632 66014
78167 64456 45242 29389 43807 72336 62251 98486 89543 02160
16569 93637 70906 75976 15491 11548
018 26
975 349 26
82730 09718 37987 21420 51101 97461 20908 30773 40259 98470
18362 61606 19965 63278 66669 88865 06627 57302 84800 41738
92935 52764 52679 88975 43221 49211
349 26 00000

Pacific schedules

11616/9322 kHz, 01-11, 0400/0420 UTC
480 480 480 00000

No transmissions on 4 and 5 November

11616/9322 kHz, 06-11/07-11, 0400/0420 UTC
480 967 23
41459 38608 06888 04275 12562 92917 75057 41418 45673 25039
16444 91989 15474 52393 13247 17457 56609 59810 22595 43379
71475 07187 58596
967 23
450 521 33
93082 26183 74129 22591 15980 01396 59191 19754 95432 38004
95873 56020 64396 37664 51897 42236 13348 08802 24544 15554
56839 43096 41813 39005 00140 92451 66038 13285 66914 51145
23365 17933 73875
521 33 00000

11616/9322 kHz, 10-11, 0400/0420 UTC

480 480 480 00000

11616/9322 kHz, 11-11/12-11, 0400/0420 UTC

480 379 56

87611 49349 97522 27142 00656 28649 62351 82669 83955 17104
82671 65813 63916 20844 34620 59665 43092 63059 61270 90220
79545 49570 44237 03120 64359 25118 28887 08477 39475 31321
57854 67193 23054 02224 92544 17227 34544 58380 27312 63230
36641 85415 25999 78012 36334 07995 35533 89251 12217 95135
56255 49894 60258 57811 3676 15696
379 56 00000

11616/9322 kHz, 13-11/14-11, 0400/0420 UTC

480 652 21

72866 89251 77548 66718 55225 57172 19564 97764 59735 48293
28852 66812 89005 69769 86758 83493 80716 32639 36641 80390
51759
652 21
480 931 36
92541 51719 89200 65858 26757 01171 57147 53074 20470 58990
97775 40971 18000 08235 09013 06653 17240 75294 82114 78648
97047 10481 23835 41477 08793 89555 82584 60218 67996 15692
77042 17307 07015 26625 50641 78706
931 36 00000

11616/9322 kHz, 15-11, 0400/0420 UTC

480 480 480 00000

11616/9322 kHz, 18-11/19-11, 0400/0420 UTC

480 265 57

68733 78450 76588 04024 17707 50004 80553 78885 23742 23626
50598 37106 97380 28372 04378 10251 53786 60626 69962 22525
16144 26444 36526 20064 35131 03810 39709 46000 86139 26597
62129 12578 04815 40289 51763 35568 79001 18210 41673 40322
81784 07449 47500 18943 83445 17319 53298 20692 23194 58680
90827 38960 12360 25684 73217 93787 02677
265 57 00000

11616/9322 kHz, 20-11/21-11, 0400/0420 UTC

480 173 26

86709 05120 06732 19754 20432 80475 83155 29668 56931 37378
38414 53359 80630 23399 12697 78366 37207 81851 72143 58313
84397 24529 66333 69098 16718 74090
173 26
480 956 24
41074 80903 91210 23784 42917 00409 24467 90097 81588 63958
66517 88542 48286 37279 69693 74310 61613 01652 56690 17291
28126 50368 71581 00920
956 24 00000

11616/9322 kHz, 22-11, 0400/0420 UTC

480 480 480 00000

11616/9322 kHz, 25-11/26-11, 0400/0420 UTC

480 271 53

67141 93161 60847 07350 05932 82714 78707 07572 63875 67851
37640 49235 11022 16766 43337 59419 50805 61836 08740 33071
84195 14144 95381 83506 80986 13639 32971 84038 06639 57136
28118 55394 78135 71333 98170 78621 47283 23033 91079 38178
34873 83758 77238 24875 64182 90959 24234 53380 67211 72976
90443 73952 62122
271 53 00000

11616/9322 kHz, 27-11/28-11, 0400/0420 UTC

480 396 51

28725 33242 20240 40226 04713 72790 80789 80739 14756 53665
04766 30173 67396 32806 23035 48691 67629 31065 94224 76285
24663 15743 36165 83718 75396 61742 50392 88806 34560 46017
13159 05211 07458 55015 31387 15949 26235 09794 86992 88787
95625 38496 18039 75729 59113 50885 10130 63761 21426 94610
96506
396 51 00000

11616/9322 kHz, 29-11, 0400/0420 UTC

480 480 480 00000

S06c

15728 kHz, 14-11, 1438 UTC	11024 (R4m)
15728 kHz, 14-11, 1450 UTC	11024 (R4m)
13574 kHz, 14-11, 1500 UTC	11024 (R4m)
16129 kHz, 27-11, 1006 UTC	11213 (R6m24s)
16129 kHz, 27-11, 1020 UTC	11213 (R4m)
13547 kHz, 27-11, 1030 UTC	11213 (R4m)

S11a

11486 kHz, 06-11/09-11, 1850 UTC

281/37 Vnimanaye

35350 87061 63570 02036 76693 01162 75397 95691 37049 93207
86014 54204 95901 26082 77896 38507 14687 24696 34063 96249
62472 76855 44205 06889 87909 09054 70191 77840 10864 70287
11013 74156 52813 82913 42610 92432 37525

Vnimanaye (message repeated) Konets

5371 kHz, 09-11/10-11, 0830 UTC

379/40 Vnimanaye

04992 94770 26357 61937 05684 91034 98870 91001 99035 37556
98730 11789 63567 11124 58262 13054 75911 69304 16971 71423
77471 20619 32088 55852 08253 85690 72903 79506 45297 43409
87365 17925 75471 28624 06276 07908 72759 83336 12759 11990

Vnimanaye (message repeated) Konets

9050 kHz, 18-11/21-11, 0700 UTC

477/34 Vnimanaye

37538 80935 73871 32474 26716 93613 10983 97435 16238 84016
65011 55776 25196 18077 49339 59927 14814 15844 30261 85970
36824 67520 54473 78850 21072 02354 60332 86262 36432 33504
94658 83765 92204 50941

Vnimanaye (message repeated) Konets

10448 kHz, 19-11/22-11, 1400 UTC

420/35 Vnimanaye

12295 70403 64264 80528 86975 71812 78071 77055 40849 40727
48450 81656 74113 10017 63839 47408 28055 74431 02071 61145
01355 43538 39042 48970 16911 80861 15533 01440 52075 64378
80112 77301 50473 15774 66337

Vnimanaye (message repeated) Konets

23486 kHz, 20-11/22-11, 0725 UTC

380/39 Vnimanije

80591 01362 02375 12069 52312 50952 94384 36331 95030 29413
44447 72558 44831 66377 46150 70568 86556 78657 75516 31182
30455 52052 14182 83686 28147 14463 62565 07461 56176 73623
95373 33376 28854 60443 82409 87918 28202 76447 66212

Vnimanije (message repeated) Konets

6252 kHz, 25-11/29-11, 0915 UTC

483/32 Vnimanije

44741 26669 11231 70807 41034 97497 14657 69560 03595 61414
67428 98927 36943 12026 67270 87753 85858 19071 70760 15806
42287 10214 10638 84407 83093 53223 27264 69962 66151 64311
81261 17537

Vnimanije (message repeated) Konets

V07

17431 kHz, 03-11, 0200 UTC

414 414 414 1 1757 89 1757 89

09071 25689 89564 21011 11026 38873 02549 13281 02054 05476
13022 91715 89808 63576 10079 05432 33952 78483 91930 32046
84302 16901 14944 27985 65654 00597 22898 30284 39444 99516
76477 11917 85347 55449 91232 38905 59617 30978 38216 98271
66243 89405 84987 31614 95281 95203 62029 38345 50956 92195
70996 42143 78855 48841 79835 91657 00109 04313 34201 35147
24071 71797 49314 42283 30797 40450 47885 84907 49668 84002
19526 88423 72734 90447 24410 05744 87545 75232 53347 48749
10514 72737 59222 03626 90609 88649 81006 94685 90533 000 000

17431 kHz, 10-11, 0200 UTC

414 414 414 1 1658 79 1658 79

63744 25807 89154 08660 64318 37201 67407 63611 61539 59246
30389 32059 53588 13057 97878 45568 25130 72852 25259 46528
99442 99334 95199 76949 42440 11639 31182 03083 08190 48558
51607 32308 24309 58574 97477 40199 70439 72587 03719 78823
15908 94728 79453 36519 44895 16111 46629 59523 76292 81973
32662 75732 26586 32619 10951 01734 38363 77499 94676 66268
97471 84184 04782 27603 71771 73276 17226 18838 53560 85544
38134 81698 82542 34020 97588 70322 10620 34390 46805 000 000

17431 kHz, 17-11, 0200 UTC

414 414 414 1 1517 69 1517 69

78809 24043 95351 61818 76957 24662 68369 48830 93254 23764
03569 88595 51658 36282 48908 15673 17630 11417 86088 56920
11394 28752 97464 19991 72941 90525 10559 54602 57336 26893
65713 26450 10962 54763 99840 77530 04979 80662 94661 88043
72297 98296 60451 17658 30874 20684 84182 03942 39517 78383
48213 82522 53195 34736 72728 06978 43788 51023 11761 50976
46512 89012 12562 68448 18642 49219 76011 00644 33339 000 000

17431 kHz, 24-11, 0200 UTC

414 414 414 1 5194 119 5194 119 26407 ... (too weak to copy)

V13 - New Star Broadcasting Station (星廣播電台 Xīngxīng guǎngbò diàntái)

Fspy writes "V13 and V13a continue to surprise us. Two days ago, we heard station 1 on 7688 USB, a frequency it has used before but not for a long time. Although standard format for the most part (AM/USB hybrid, normal pronunciation of all numbers etc) it was an EXTREMELY long transmission with 7 messages! Between the 7688 time slots (0z and 1z), the V13a slots on 18040 and 19052 (0z, 0:30, 1z, 1:30), and the slots on 8169 and 11430 (2z, 2:30, 3z, 3:30) station 1 has been sending THREE different batches of messages! It's very, very interesting and this seems to mark a notable shift in their operations. I have also noticed that V13a messages tend to play for 4 weeks/28 days before being swapped out for new ones."

Fspy also translated the announcement that V13 transmits during each session.

- Start: "This is the New Star Broadcasting station, station number #. At this time, we have messages for you. Pay special attention and prepare to receive."
- After the messages: "Thank you for listening, wishing you health and happiness. See you."
- There is also a spoken separator after 20 or 40 groups: "The 20th/40th group has just been sent."

Thanks Fspy for the logs and transcripts. Very interesting indeed.

18040 kHz, 03-11, 0000 UTC, AM. New Star Broadcasting. Station 1 (V13a)

Unit IDs: 4082, 4218, 4270, 4667, 4943, 5090

Group Counts: 20, 28, 25, 29, 28, 27

0313 8609 2025 2728 6715 3186 1617 3722 4256 0820
4747 0705 8407 0597 2932 9171 3678 7745 3278 6976

7179 3066 1626 3294 4659 2466 8255 2790 4817 1491
8742 2872 7726 9763 4924 8878 8271 0202 1410 1434
5007 0216 5928 0096 7744 6505 7704 7080

2060 6810 5927 9553 6439 9982 2437 6760 2956 0858
7722 4952 8815 5099 5732 9530 6847 3386 0076 7052
9888 7739 7494 1976 1436

7841 5892 8646 6893 2878 0936 6288 2799 8770 1612
2731 5436 9606 1743 1570 2680 1774 5767 4981 2851
1559 6097 7396 7463 0803 0763 0597 1065 7954

3815 6119 4367 7407 4938 3412 8187 8169 1413 0934
0671 0602 1938 6728 2274 5702 2544 3658 8370 3145
3148 6563 6921 9029 3186 4786 2964 7666

5519 7235 4116 5420 5957 8804 6688 1123 4716 4036
1147 0538 5485 6733 0807 9216 2326 6813 9269 2772
7008 7344 4999 6637 1582 2299 9464

9276 kHz, 03-11, 0330 UTC, USB. New Star Broadcasting. Station 2

Unit IDs: 0620, 2506, 6057

Group Counts: 33, 34, 35

2876 7554 7848 9281 0747 1562 8739 8857 1802 0669
5329 0006 7579 7989 5726 9255 5714 6014 6494 2400
1141 1638 8240 0590 6800 9147 4592 5801 4167 3258
7569 8953 1429

7096 5955 3908 6324 0935 6823 2700 3050 7786 7980
2350 6553 0997 8187 3611 1340 5791 7166 5520 3516
2850 1888 1098 4692 6042 5510 2315 7167 8381 7529
8437 3759 5265 8973

7189 8767 2987 8524 6261 5849 0083 2060 6358 3456
7439 0667 0754 9258 5811 7388 8429 7566 1222 3992
0968 6919 2858 6787 5369 3162 4993 9944 9022 9462
4522 3932 2477 6936 5833

15890 kHz, 04-11, 0000 UTC, AM and USB. New Star Broadcasting. Station 3

Unit IDs: 2035, 7831, 8360

Group Counts: 34, 34, 31

0040 8652 5133 2311 0558 2991 0868 5563 6065 5068
1281 7172 1710 1067 1966 3591 5378 6111 2908 4856
5884 6263 8210 4712 3766 9027 3778 5552 2845 9692
2713 9984 5654 4767

6025 7972 6968 2239 9055 9359 6565 9605 3571 9769
1488 8635 4068 7195 6857 2823 3671 7093 8993 7894
2776 6645 3052 4424 9822 8672 1002 0712 8644 9511
2217 1493 5836 1728

4118 8069 0236 5116 7570 0813 0580 0547 2106 1093
3805 8314 1378 8300 7800 0318 1063 5881 1237 8752
0517 0735 4613 9564 6064 4268 7991 2998 1201 6524
3980

20025 kHz, 04-11, 0100 UTC, AM and USB. New Star Broadcasting. Station 4

Unit IDs: 5641, 7613, 9429

Group Counts: 35, 32, 33

0821 1550 3420 5056 8808 1742 1015 9285 6927 4334
5372 6119 9254 1181 9648 2167 8617 0169 0596 3601
8014 7761 8538 6249 1432 0429 5400 8102 4388 0358
3936 4307 0988 9865 6485

0801 6354 6886 9635 9202 0719 2245 0336 8631 6768
2117 2259 1455 7524 6895 9386 4029 2829 5858 1606
7586 1943 5969 1596 1868 9298 8877 5883 4502 3261
5791 8933

5799 7247 3942 0836 0892 5558 8823 1335 6771 5988
1585 1242 8589 9549 2352 6216 7141 8238 7076 6392
3504 1647 3560 1378 2755 1077 3432 2442 7287 9430
3535 7408 0261

15890 kHz, 10-11, 0000 UTC, AM and USB. New Star Broadcasting. Station 3

Note: started a minute late, and there was an oddly long pause between the introduction and message preamble.

Unit IDs: 0136, 1914, 8712

Group Counts: 35, 33, 32

2586 0224 7104 4324 7246 6870 9143 1951 4589 1649
5590 5503 6691 2697 9614 4928 0591 9801 1036 0963
7313 6632 3046 7209 6971 6205 9050 4721 6834 2154
5448 3167 4095 0922 7263

4189 2745 5139 1077 4415 4995 4351 9814 8533 1296
9607 0966 2596 3560 4840 5199 6815 1944 7545 1041
3242 5479 9511 5583 8829 5395 4930 4913 4921 1616
7720 0630 0889

6317 0703 4557 2517 0675 5722 7688 0159 6732 7097
3356 6628 8214 5438 5930 1075 0170 4412 3792 4939
0961 5180 1033 9012 1654 8884 9421 8211 6633 5265
6614 7565

20025 kHz, 10-11, 0100 UTC, AM and USB. New Star Broadcasting. Station 4

Unit IDs: 1175, 1257, 1351

Group Counts: 33, 31, 32

3348 5908 9008 9306 1189 7495 2520 2406 6350 1559
3997 8257 1883 2154 0739 4063 8516 7808 7668 6582

7848 0141 2922 6215 2968 9623 6685 9013 2179 3248
5148 1384 2273

0433 6654 5685 1143 7017 3660 2975 8089 1708 3636
7157 2650 8996 9436 3051 8338 9508 2440 9632 3386
0813 3977 9838 7088 5679 5913 7634 5994 1067 7278
6029

1538 6908 6475 3925 5514 4356 6492 6051 6552 9260
9034 5202 7679 4402 8247 2710 6459 5116 3091 7056
6638 1343 8902 1677 5395 9061 9878 4732 8918 8368
3209 9214

9276 kHz, 10-11, 0330 UTC, USB. New Star Broadcasting. Station 2

Unit IDs: 0864, 1167, 1398

Group Counts: 32, 31, 34

9694 1832 8245 3463 7442 7764 3020 0905 4046 5207
9144 4117 4952 9881 2893 8761 4892 3294 8876 4646
5493 0131 0283 7937 2654 2324 3578 6660 2246 0701
5601 8651

1164 1053 7036 5986 2754 9687 6337 0025 6866 8999
1718 7816 7103 0974 2962 8732 8494 7866 7297 9855
9350 4474 6839 0636 1659 1138 4571 6968 1886 1843
9841

8458 9430 7186 8755 7485 0088 4243 4017 9651 2686
1179 8183 9506 5787 3318 9748 2608 6093 0870 9794
8263 5793 4593 4165 8487 9414 2183 8310 6944 9047
8654 6857 8912 6963

11430 kHz, 10-11, 0330 UTC, USB. New Star Broadcasting. Station 1

Unit IDs: 1045, 3337, 7051

Group Counts: 30, 34, 35

4167 4575 1807 3716 5850 9386 1979 2919 2430 5145
6874 1188 9153 2348 9504 7468 5109 8429 8888 3029
6499 6641 4603 9499 3957 1208 6886 7074 0108 9526

4998 1415 5545 8344 4812 9515 4724 9061 7480 2786
2377 7649 8929 5093 4012 3622 4617 6595 6493 2017
6296 3310 4580 8871 7378 7678 3682 8829 5426 7308
6364 8023 3494 7311

7078 4826 7341 5192 8714 8911 2646 4465 9528 4229
0975 1941 6211 3848 8740 6316 1552 5741 8607 0137
8655 3226 9099 9792 5653 5393 9226 3456 1294 7642
0485 6467 2530 9011 1654

15890 kHz, 17-11, 0030 UTC, USB. New Star Broadcasting. Station 3

Unit IDs: 0146, 2778, 8872

Group Counts: 34, 31, 34

6986 5568 9446 8747 5919 1217 6368 8006 2938 5186
6701 6687 4879 2076 9316 3759 1924 0092 3873 1642
4263 9256 4685 9698 1301 0912 6655 8791 3453 3634
4546 1478 9371 3534

1966 4341 9343 2499 2095 5701 8254 5427 4350 4095
9831 8264 9834 2809 6951 4508 3802 3441 1019 7826
8052 5672 1691 5450 5204 9672 2146 5324 7340 9390
5063

2595 9943 3491 0060 0749 0677 2482 3559 8908 5680
2038 7460 1015 6152 7980 4847 7408 9227 2826 3907
8610 5139 3428 2056 9088 9510 0057 8990 3835 8913
2782 5851 5571 4114

20025 kHz, 17-11, 0130 UTC. USB New Star Broadcasting. Station 4

Unit IDs: 3011, 5431, 7247

Group Counts: 30, 33, 31

8261 2946 7914 0295 0760 6750 5202 2019 3244 6410
3351 1730 8300 2168 5297 1648 5268 5942 9304 3851
6998 9365 6997 8485 6515 6704 4909 0703 4435 8343

9833 3512 1956 2220 0696 8088 6040 1764 4431 1032
8576 4449 9077 9788 0497 0035 7708 7262 4811 0805
0404 6700 8239 5853 4538 9811 3543 4752 6811 7967
8390 8353 2552

2882 2797 2414 9625 8619 1431 5951 9998 2459 1665
9966 4294 0628 6098 9886 7572 4994 7494 4820 1214
4716 1762 7653 8946 7794 2277 9172 9104 0147 6789
0175

8169 kHz, 18-11, 0300 UTC, USB. New Star Broadcasting. Station 1

Unit IDs: 4391, 7114, 8520

Group Counts: 30, 32, 32

5588 9463 6065 9721 3036 5807 1821 7857 3687 9632
5189 2635 1709 8785 1381 2493 1450 4889 6379 0273
9479 5638 6117 6393 5101 4930 7918 4375 7912 4822

1385 9246 1377 6062 3804 3063 1624 0723 3943 8903
5854 4738 2795 6239 1926 0444 5715 6672 5552 4398
6410 8630 4039 0758 3947 8090 2322 4294 5093 9027
0049 8773

9938 6961 7103 1824 4871 7245 7523 5070 3794 4970
7872 2953 4364 4303 9258 8150 0226 8834 1355 5795
5021 7185 1148 9492 0826 9882 5271 3893 7807 7490
4187 3449

9276 kHz, 18-11, 0300 UTC, USB New Star Broadcasting. Station 2

Unit IDs: 6342, 7581, 9447.

Group Counts: 31, 30, 34

2782 4189 9212 4577 3685 4403 2702 6157 5066 8677
9915 8727 7294 8659 0542 8987 3127 4009 0282 5236
4708 4832 4723 6966 1391 4441 2402 3279 3346 3801
1818

3018 5817 0158 0016 1423 6800 5834 0308 8314 9557
4376 5652 7650 5497 1742 7022 5804 4032 5703 0254
4181 9220 0028 0038 1837 2240 3072 2712 7395 6899

0003 5560 1442 6685 8484 8247 2869 2455 3802 5839
2397 7416 7076 7886 8083 5269 5617 9478 8426 1480
8560 0617 8798 6965 6290 4878 1888 4260 1209 9122
4484 2574 8639 1714

15890 kHz, 26-11, 0030 UTC, USB. New Star Broadcasting. Station 3

Unit IDs: 3499, 3525, 7504

Group Counts: 31, 31, 31

3738 9070 9938 7708 2484 7093 7798 5949 2401 5231

9308 5086 9173 4323 3910 0963 0297 2334 0169 0258
1287 9425 3234 9204 8397 0412 6488 7002 9209 2132
0895

9699 9926 5092 0389 3136 5855 4479 1564 9032 8302
5153 6558 1549 2835 2863 5851 5771 9295 9367 6944
2824 7049 5413 5110 1415 4015 7674 7786 6207 1604
4273

7926 8736 2299 7159 2803 1240 2171 6602 0157 4596
3959 5125 3548 8490 0034 3019 4847 3642 0672 4919
0301 2781 8236 1427 8889 5564 6035 8646 8131 8560
9248

20025 kHz, 26-11, 0100 UTC, USB. New Star Broadcasting. Station 4

Unit IDs: 5698, 6729, 7641

Group Counts: 34, 32, 32

5621 2119 8693 8717 4292 4491 1653 8710 8752 3682
3469 2950 6586 6659 5358 0883 2650 1314 5699 7088
9803 1703 0700 0189 6163 0816 8985 2927 7398 9992
2849 5925 0425 5603

0200 7618 2395 8434 3137 0934 5018 4293 7113 7618
4356 2083 1860 6075 3304 2232 8114 8939 8455 4091
5304 8045 5935 7279 2798 2450 3316 7247 5265 0998
0867 1500

1609 7954 4701 0721 9355 7456 1705 2388 3119 6066
3119 7002 3871 3972 3075 5619 5476 9246 6674 1531
5270 5071 4837 0769 6376 4379 7512 4420 4174 2226
5778 4275

9276 kHz, 27-11, 0330 UTC, USB. New Star Broadcasting. Station 2

Unit IDs: 3838, 4027, 8537

Group Counts: 32, 31, 35

1691 0473 7343 5818 8282 6500 0192 4266 5150 2801
6030 4907 3186 4839 3952 9350 6315 7162 7280 3255
3863 5918 4109 9687 4814 7991 8940 4615 1658 2251
2098 9478

5514 9657 5301 3187 1937 2244 7401 6469 5352 5848
1496 9231 9079 7152 9580 1375 1974 0265 3749 2957
0105 1917 2128 4798 1377 0499 8299 2316 9373 3593
0385

9097 9850 6907 7651 5010 5030 8694 3959 9093 0677
3571 8896 3312 5352 6706 3812 9415 3964 3949 2543
5076 8285 9913 1788 1110 6935 8101 6498 8516 8085
4930 3918 5118 7117 7387

8169 kHz, 26-11, 2230 UTC, USB. New Star Broadcasting. Station 1

Unit IDs: 3799, 4009, 9440

Group Counts: 33, 33, 31

6669 6648 7595 0223 6597 0263 4644 8779 7656 2740
2535 3468 7306 3684 6534 9588 8872 9507 3702 5160
7238 1472 5174 5395 8113 5975 7259 5236 7158 0460
4508 0093 6466

6721 0736 0446 8051 8338 3402 6079 9531 2669 3804
3430 3200 2734 6461 8473 6757 1310 8631 2714 0703
3671 4744 6342 8532 9730 7258 0101 1690 8195 4642

6096 5983 4520

0929 3876 2961 9226 4074 1839 4034 0634 5462 1639
6011 0581 5322 3337 6827 2632 1290 4826 6463 4738
1889 3695 9253 3641 4235 2311 2417 2191 5569 8227
6800

7688 kHz, 30-11, 0100 UTC, USB. New Star Broadcasting. Station 1

Unit IDs: 3427, 4936, 5428, 6721, 6954, 8355, 8525

Group Counts: 30, 38, 36, 40, 26, 30, 28

1250 5982 9191 4377 8945 4770 7824 3660 6892 2437
5683 9934 4595 8113 3472 8497 2361 7389 1250 6276
9149 4275 8938 3165 7806 2846 6889 1930 5778 9820

1250 5981 9149 4062 8938 3952 7821 2541 6757 1635
5610 9749 4583 8225 3472 7105 2371 7600 1260 6590
9156 5881 8945 4771 7817 2956 6705 1846 5610 9226
4583 8620 3475 8394 2379 7881 1268 6771

1250 5981 9151 4768 8938 3760 7824 3669 6712 2559
5683 0924 4572 9714 3462 9800 2351 8709 1228 6671
9105 6968 8012 3152 7991 2042 6776 1835 5694 9443
4583 8817 3558 7211 2447 6100

1250 5982 9191 4377 8933 3658 7812 2548 6700 1436
5699 9338 4668 8623 3488 7690 2371 8899 1299 6773
9188 5663 8013 4978 7992 3868 6795 1332 5686 1524
4574 9229 3463 8109 2351 6887 1240 5777 9165 4660

1250 5982 9191 4377 8933 3658 7812 2548 6700 1436
5699 9338 4668 8623 3484 7092 2499 6493 1250 5386
9142 5060 8940 3967 7829 2857

1250 5981 9149 4062 8938 3952 7821 2541 6757 1635
5610 9749 4583 8225 3484 7092 2352 6883 1241 5773
9149 5176 8938 4076 7814 4556 6713 2336 5602 0226

1250 5981 9149 4062 8938 3952 7821 2541 6757 1635
5610 9749 4598 9522 3487 8402 2361 6088 1250 5976
9149 4877 8938 3767 7812 3067 6700 2957

Note: the longest V13 broadcast I've heard so far, lasted 31 minutes. Note how every group begins with 1250, then either 5981 or 5982. Notice how messages 4 and 5 have the same sequence of 14 groups at the beginning. (Fspy)

20095 kHz, 29-11, 0200 UTC, USB. New Star Broadcasting. Station 5

Unit IDs: 4057, 4953, 9916

Group Counts: 32, 33, 31

3398 0070 5366 1924 1755 2504 4853 0950 7931 3780
6148 3808 5543 8419 5766 3645 5578 6799 7968 8073
3627 9141 1034 9139 8463 0404 2131 3221 4756 9321
3051 6245

5676 1837 3469 9996 2217 0454 7271 8117 6757 0069
5881 1454 0499 4058 1765 3631 1096 1829 1738 4669
2191 0166 7713 6348 1853 9434 1652 0947 1422 2377
6626 6616 5178

2942 6289 4388 3636 8217 7468 5636 0370 3833 9125
9906 0824 1834 5948 6456 2071 6829 2587 7445 1565
0668 1180 5464 3855 4942 7514 8231 1456 7620 9435
9493

VC01 – a.k.a. Chinese Robot (Chinese Air Defense)

6952 kHz, 02-11, 0825 UTC, LSB
7207 kHz, 02-11, 0825 UTC, USB

MORSE STATIONS

M01

5810 kHz, 02-11, 1500 UTC

197 383 383 30 30 = =
91243 99342 00453 38342 77453 88342 77453 77213 88342 99453
91233 74533 92355 00123 88453 88231 99453 88334 99342 88453
01254 77346 88265 77234 04500 83422 99453 88123 88453 77231
= = 383 383 30 30 000

5465 kHz, 03-11, 0700 UTC. Errors in red. Partly unreadable

197 445 445 30 30 = =
73482 99453 **9453** 00123 _____ 00342 **7754** 77564 99342 64501 77463
92314 77342 88564 88342 88453 88324 77124 00342 71255 03005
01638 83425 72315 88453 83241 99342 95646 74536 02541 73546
= = 445 445 30 30 000

4490 kHz, 05-11, 2000 UTC

197 215 215 30 30 = =
15367 92635 27347 84527 34178 73526 49056 56138 02416 15237
42378 67248 34167 78452 25178 82439 13278 93427 04528 56238
42784 31678 34267 45267 48956 24156 48924 34156 34278 59067
= = 215 215 30 30 000

4490 kHz, 07-11, 2000 UTC

197 876 876 30 30 = =
57395 49194 59104 67194 69301 30277 48204 58104 58204 58104
58205 39205 12493 59260 40185 38104 57294 19402 48230 58403
10384 57193 18402 47194 59268 47395 47195 38491 48357 18394
= = 876 876 30 30 000

5465 kHz, 10-11, 0700 UJTC

197 313 313 30 30 = =
76859 57431 12377 55843 99012 75580 75832 55481 88691 22280
75841 75893 84923 98641 77531 99023 84751 57381 92349 78534
75830 85470 75431 75430 87564 34587 98012 75642 74531 75499
= = 313 313 30 30 000

5320 kHz, 12-11, 1800 UTC

197 732 732 30 30 = =
13267 04527 25378 93528 35185 83516 42780 74528 52437 64892
13579 24680 31084 53641 52438 45167 24371 12736 42649 59872
83746 52438 64052 43846 56237 45178 35267 49052 34127 35876
= = 732 732 30 30 000

4490 kHz, 12-11, 2000 UTC

197 616 616 30 30 = =
24189 35247 45289 41316 38930 75648 35267 49692 34109 43782
42367 45137 34289 45237 45289 76893 24367 45260 51617 89786
47562 34127 34267 89354 32563 86907 53427 45638 64573 91827
= = 616 616 30 30 000

5810 kHz, 16-11, 1500 UTC. Different repeat in red. Group 14 was repeated twice.

197 465 465 30 30 = =
76357 56475 64758 76357 36453 24351 45364 15869 **75869** 97867 56473
46574 35463 45364 56473 25364 56473 25342 34561 45329 80574
64537 74619 66574 65789 63547 53426 47562 87465 78465 76538
= = 465 0 465 30 30 000

5465 kHz, 17-11, 0659 UTC. Drifting signal

197 281 281 30 30 = =
75648 85769 76534 64656 87564 85769 87586 74635 74657 87569
87364 56475 74569 98372 91029 92018 64859 73645 86746 82938
61728 63728 48579 96374 74658 84959 64758 62534 84756 02938
= = 281 281 30 30 000

4490 kHz, 19-11, 2000 UTC

197 753 753 30 30 = =
84758 76896 81726 84958 73645 64758 93847 56473 81920 93847
10293 84756 47589 84756 47587 73645 65789 95873 64758 91029
17384 95867 37465 86987 47563 94857 68790 28374 58394 85746
= = 753 753 30 30 000

5810 kHz, 23-11m 1500 UTC

197 713 713 30 30 = =
91734 58104 86978 35173 26496 10583 47596 12358 69836 59040
90572 58395 07395 38573 57017 12649 20472 09836 19583 40571
01739 40719 40301 59482 59371 48208 58493 10573 49163 59377
= = 713 713 30 30 000

5465 kHz, 24-11, 0700 UTC

197 825 825 30 30
34936 58105 38159 39472 48501 67193 92573 26493 16483 58303
74017 38493 29164 69483 10482 58264 59173 15238 59104 67749
18374 56183 95037 18492 46534 49173 69371 35182 47193 17335
825 825 30 30 000

5320 kHz, 28-11, 1800 UTC. No separators and no ending. Group 29 was not repeated

197 898 898 30 30
38746 23983 10102 39485 23012 45678 66994 20098 34902 00123
98706 34329 45872 12906 45783 39398 23012 39023 45912 56903
32098 65784 74174 85285 96396 87432 12345 78901 45615 45892
off

4490 kHz, 28-11, 2000 UTC

197 099 099 30 30
30985 38723 33213 90125 76432 10109 56239 90238 47298 20921
47638 89032 23981 23891 45900 34876 unreadable

5810 kHz, 30-11, 1500 UTC. Error in red

197 345 345 30 30 = =
35684 56894 56892 34795 14736 46846 56783 56789 56783 57379
47285 46836 56845 25346 13245 68589 **458366** 45836 58367 45891 12357
26935 36783 46846 45836 48567 56792 45693 58462 47568 58614
= = 345 345 30 30 000

9566 kHz, 30-11, 0715 UTC, CW/USB. Contains errors

475 90183 EEE 163 163 50 50 = =
90183 0 EE 90183 47568 EEE 90183 19601 38105 47195 17660 61960
18604 88105 90912 34210 90916 52718 73917 90169 62748 91046
18631 18500 00917 27185 46187 56109 71811 81058 71860 77154
36176 Z1 10972 (1072) 68109 81650 00 14352 34152 88601 51760 (51650) 99153 15473 (1x)
90916 45186 16920 71850 (1x) 71659 71840 91164 00183 20123 99112
= = 163 163 50 50 000

M12

6917/5817/5117 kHz, 2000/2020/2040 UTC

6917/5817/5117 kHz, 01-11, 2000/2020/2040 UTC

981 981 981 1 2672 85 2672 85
07877 35482 67340 27897 78032 08538 52373 10368 96749 29556
05425 61627 43536 39401 20426 31116 05652 35267 20982 68402
37243 81606 17332 81271 91823 63808 89947 77055 34629 03265
82564 86155 37306 99384 82393 61044 50244 65975 63313 94311
69727 25345 00799 26146 82258 23586 72750 34732 55968 08159
32155 78806 56509 86556 09142 35737 29428 94052 04332 35938
79716 49047 16158 29932 59928 56865 22458 00373 31480 81801
53465 64449 02214 45827 78704 35632 15866 27964 45392 30804
98297 54628 43272 11018 96719 000 000

6917/5817/5117 kHz, 13-11/15-11/20-11/22-11, 2000/2020/2040 UTC

981 981 981 1 684 43 684 43
03334 58472 24930 59696 93844 83583 48574 66369 89763 91294
87770 26326 47373 25831 00857 52464 22112 39201 11928 45962
58155 19968 76936 23102 33095 83388 01152 86265 68835 95128
89954 67684 07033 19630 94649 93204 65948 94429 53216 15770
35023 37435 90740 000 000

6859/7459/7959 kHz, 2200/2220/2240 UTC

6859/7459/7959 kHz, 01-11/02-11/08-11/09-11, 2200/2220/2240 UTC

849 849 849 1 6095 103 6095 103
52300 58219 52770 77945 96524 43017 76826 74943 48328 23126
49265 35798 34608 40277 59748 52169 11192 92790 92958 26989
35646 95493 58706 86945 22807 93745 14841 73987 51460 93839
99223 08044 16344 67442 29037 06117 93733 79387 82568 65805
81960 06939 60425 65219 62326 01292 39730 40664 73852 71391
00771 79799 61506 88183 80196 44573 16650 77500 93361 56865
47727 03026 79472 34132 41574 02942 05028 39204 77323 39516
87296 46692 61132 07255 09361 23850 88041 17690 49260 06864
61232 41354 91266 01182 40807 62338 45794 55801 16222 75412
02581 85567 10885 31351 22855

6859/7459/7959 kHz, 22-11/23-11, 2200/2220/2240 UTC

849 849 849 1 4298 77 4298 77
18055 19222 06922 76576 37483 45192 72905 65539 36109 85723
30085 30176 42631 94816 52335 45221 64783 49185 10041 48381
34883 40346 43520 64314 58393 71940 39513 02279 49788 54142
64121 47092 68254 30890 93142 64367 82302 26142 22548 92804
26837 82922 80239 30689 12746 04917 02969 15499 95867 41719
14235 52279 05581 20494 58922 97684 04936 75779 46127 92537
67159 91673 85672 60400 09975 73089 07373 95172 15191 51278
11294 40106 26039 57443 81064 38340 70364 000 000

11519/12194/13407 kHz, 1100/1120/1140 UTC

11519/12194/13407 kHz, 05-11, 1100/1120/1140 UTC

289 289 289 1 55 8086 54 8086 54
12717 47198 05619 00830 99568 40745 87137 82788 82747 00194
82853 83629 99178 50298 61428 06056 17934 27642 19759 56285
43517 05623 26585 73064 61177 56352 63967 97202 61332 16840
51849 05815 55311 96553 74880 83734 24865 26417 12147 09950
66363 01415 82132 29162 07982 10841 04794 04668 42898 95613
02444 91706 47716 98531 000 000

11519/12194/13407 kHz, 12-11, 1100/1120/1140 UTC

289 289 289 1 5260 58 5260 58
13792 34538 53306 47047 75140 91719 62601 27307 66127 12215
22450 07647 97483 56113 71611 56172 02520 70230 94653 66080
94255 47898 88506 46629 43448 92813 96894 45178 87178 91494
15490 63982 12613 85710 00108 84954 28320 04397 77151 91205
96383 64140 27128 97635 88774 76070 26961 59957 69395 54467
44713 60075 08218 46421 36759 65893 46031 06676 000 000

11519/12194/13407 kHz, 19-11, 1100/1120/1140 UTC

289 289 289 1 5219 59 5219 59
47896 64780 52727 62814 37289 74315 91395 09859 33167 99726
36556 98732 59112 51412 43565 40239 13202 75903 22704 94231
86667 46319 30628 61166 82564 81686 70497 17251 55603 97207
73877 12357 04634 85452 63756 03442 48317 58146 05781 56266
66075 72400 46737 99812 19863 86452 82889 21585 10992 94393
90586 90769 15398 73030 60216 01577 34151 91560 80248 000 000

11519/12194/13407 kHz, 26-11, 1100/1120/1140 UTC

289 289 289 1 7118 61 7118 61
99404 14780 37359 70495 25922 13756 50179 72086 14133 76901
49054 58126 06056 29836 98124 89237 34219 07755 31505 07449
30293 50939 35352 46616 48434 05423 07023 93735 83253 88097
82045 19421 43093 75098 58425 59493 90220 30940 49642 65241
91993 58429 17611 54226 16766 82707 63281 69171 94921 97419
82047 88938 01810 82492 37665 48464 79426 90741 22060 20498
06732 000 000

11435/10598/9327 kHz, 1840 UTC

11435/10598/9327 kHz, 07-11, 1840 UTC

938 938 938 1 7657 57 7657 57
40354 56316 29807 72703 86098 65164 00721 32668 41814 77385
91529 54649 96926 24117 67206 21083 94590 84496 29188 85462
56368 91727 35371 80673 33331 21008 59102 66934 83898 27872
48932 07164 18840 71347 16566 14464 09855 95053 58114 21983
52784 21157 59326 66685 57870 98822 88018 89235 71915 94190
06181 53815 69986 37145 17598 48625 20945 000 000

11435/10598/9327 kHz, 14-11, 1840 UTC

938 938 938 1 6362 84 6362 84
57888 91852 38426 99558 87327 54262 33368 80720 84835 88250
29742 37013 62738 04205 90536 13095 00088 14830 12363 432?3
69230 03307 74092 26692 03552 61220 74682 96059 60464 04206
45575 63073 06515 34776 18927 60995 37542 24263 42451 51730
07051 25223 32898 77155 52644 86086 92504 12511 35206 79225
31837 31983 16698 48256 26256 54580 17759 11733 96005 26107
79579 37308 20256 80629 42674 66667 30497 27961 85277 29540
75552 75823 72377 60632 36231 44007 70308 96936 74047 17465
68715 62170 60852 81237 000 000

11435/10598/9327 kHz, 21-11, 1840 UTC

938 938 938 1 8012 84 8012 54
73268 34064 28942 16172 98354 39904 58778 08932 88922 07989
21469 05676 86839 19831 90513 08590 56141 56037 58302 33828
16768 31599 51379 03334 76076 58120 70197 49466 81869 61496
98542 45434 45750 48373 82977 21564 92027 41003 12053 36855
12404 44433 85288 25259 84439 86976 96684 17356 77530 09703
38282 98087 23267 80188 77448 41669 82684 28608 40094 40233
69706 09312 27063 27425 09446 76034 59924 38465 36853 68949
16562 15138 43983 21446 21363 72333 46309 26119 18893 89099
61435 52841 71934 72165 000 000

11435/10598/9327 kHz, 28-11, 1840 UTC

938 938 938 1 1367 75 1367 75
90232 76325 02726 95598 80649 03608 57444 35569 83568 63973
77197 35053 80528 29920 98604 63347 41284 59965 61657 98484
51360 96869 39835 66092 56402 25445 81165 85795 72227 53971
10326 86257 88346 56061 43685 50588 31090 30486 90025 41652
83292 58515 38689 62805 47116 61492 95627 73537 60639 90938
15018 07244 46520 89100 52733 93362 36489 36633 39195 55204
22442 71648 63341 29597 53647 90939 46705 24467 86234 48015
32257 10797 69938 20000 15191 000 000

10446/9046/7946 kHz, 2300/2320/2340 UTC

10446/9046/7946 kHz, 21-11, 2300/2320/2340 UTC

392 392 392 1 3579 59 3579 59
61968 93292 53692 61616 01825 59008 82738 01846 00306 15782
92335 96024 72531 65886 13017 95534 40306 09903 69500 10980
39978 48763 89169 87338 90894 56282 77866 85664 87915 82910
17720 53042 63308 67480 50166 24632 84055 09191 19466 63199
88586 74826 32717 91125 30807 94138 85957 08856 66129 57418
32321 51750 30442 59066 28410 79817 02255 40929 29418 000 000

M14, M14d

9463 kHz, 09-11, 1221 UTC. Three series of fast beeps

9463 kHz, 09-11, 1240 UTC

801 (R4m) 643 52 =
43086 79250 23363 31486 90505 05580 45595 37760 08270 80580
22502 66774 50648 53510 64885 30170 39002 21964 89707 12663
71393 23695 97920 54922 05738 96106 90669 08347 02423 33102
72311 43921 37338 93992 13692 62338 21257 44138 74115 97596
86497 32022 05435 31176 26810 32425 86716 59195 01424 [3s silence]
10417 [54s silence]
801 (R55s)
26810 32425 86716 59195 01424 10417 32905 79391
= = 643 643 52 52 00000

Full recomposed message:

801 643 643 52 52 = =
43086 79250 23363 31486 90505 05580 45595 37760 08270 80580
22502 66774 50648 53510 64885 30170 39002 21964 89707 12663
71393 23695 97920 54922 05738 96106 90669 08347 02423 33102
72311 43921 37338 93992 13692 62338 21257 44138 74115 97596
86497 32022 05435 31176 26810 32425 86716 59195 01424 10417
32905 79391
= = 643 643 52 52 00000

10755 kHz, 11-11, 0830 UTC. Two series of fast beeps

10755 kHz, 11-11, 0850 UTC

975 432 432 60 60 = =
28117 56514 14229 78522 89064 64527 67427 94071 34036 22671
10435 99756 61699 87164 13677 69362 24258 10398 71018 06754
88766 41295 70310 42379 38396 25378 62480 22448 37079 21731
15087 20471 05963 79038 61288 25856 85127 37909 80164 89236
78985 51635 69308 29230 08819 42612 95658 30305 20874 36588
35479 86454 23471 41923 39443 70353 51541 66069 83748 32694
= = 432 432 60 60 00000

11073 kHz, 11-11, 1331 UTC. Two series of fast beeps

11073 kHz, 11-11-2024, 1350 UTC

352 (R2m30s) 3 [44s silence]
352 (R2m05s) 918 918 60 60 = =
85137 32563 82944 83157 61051 36038 70526 25532 62329 24903

04476 29640 85820 12874 75711 36766 46417 91768 05115 35287
80806 94026 74878 11113 68513 41652 91969 58885 56155 11272
32172 95715 95869 69991 38123 45335 33832 61745 69797 84160
09807 48815 30870 66864 53680 38219 19390 73514
352 (R40s) 35 [1m10s silence]
3 [56s silence] [beep] [22s silence] [slow beeps] [50s silence] [beep] [2m48s silence]
3 [1m23s silence]
352 (R1m)
66864 53680 38219 19390 73514 89891 47644 76215 45484 85724
90625 29634 02311 04372 85640 59614 56706
= = 918 918 60 60 00000

Full recomposed message:

352 918 918 60 60 = =
85137 32563 82944 83157 61051 36038 70526 25532 62329 24903
04476 29640 85820 12874 75711 36766 46417 91768 05115 35287
80806 94026 74878 11113 68513 41652 91969 58885 56155 11272
32172 95715 95869 69991 38123 45335 33832 61745 69797 84160
09807 48815 30870 66864 53680 38219 19390 73514 89891 47644
76215 45484 85724 90625 29634 02311 04372 85640 59614 56706
= = 918 918 60 60 00000

M41d: 9463 kHz, 18-11, 1455 UTC. Two series of fast beeps

M41d: 9463 kHz, 18-11, 1510 UTC

801 38649 (R1m20s)
801 801 801 3864 [20s silence]
801 38649 801 38649 (R2m45s) 754 754 32 32 = =
09752 58739 47796 69572 65322 25504 95051 02363 33620 72607
77066 52096 41413 36400 66166 [1m03s silence]
801 (R1m30s)
77066 52096 41413 36400 66166 78263 25484 72453 72488 77932
53086 01577 97804 23610 79990 43817 25283 [20s silence]
801 (R1m30s)
80 [3s silence]
801 (R1m)
97804 23610 79990 438 [rest unreadable]
= = 754 754 32 32 00000

Full recomposed message:

801 38649 754 754 32 32 = =
09752 58739 47796 69572 65322 25504 95051 02363 33620 72607
77066 52096 41413 36400 66166 78263 25484 72453 72488 77932
53086 01577 97804 23610 79990 438 [rest unreadable]
= = 754 754 32 32 00000

M41d: 10755 kHz, 20-11, 0913 UTC. Slow beeps

M41d: 10755 kHz, 20-11, 0917 UTC. Two series of fast beeps

M41d: 10755 kHz, 20-11, 0935 UTC

975 24613 (R1m20s)
975 97 [6m10s silence]
975 24613 (R4m) 180 180 36 36 = =
11325 73807 67620 08462 20396 87982 36785 16731 28958 41768
35109 27885 45193 29240 73763 26758 13174 75237 74388 33735
70735 93517 03585 95956 99258 04369 04769 65338 07520 72645
82075 36849 16820 12149 16003 45475
= = 180 180 36 36 00000

M21 - Russian Air Defense Forces (Во́йска ПВО Voyska PVO)

5397 kHz, 03-11, 0842 UTC =991143??8?????
5397 kHz, 01-11, 1456 UTC =991756??8????? =991757??8????? =991758??8????? //4171 kHz
4171//5397 kHz, 01-11, 1456 UTC =991756??8????? =991757??8????? =991758??8????? //5397 kHz
8747 kHz, 21-11, 1014 UTC =99?1312?9????? =99?1315?9????? =99?1318?9?????

6999 kHz, 04-11, 2020 UTC, i.p.

Sends R at end of track and W before start on new one always with a trine at beginning.

Track numbers 3088, 3089, 3090, 3091, 3092 3093

441 3988 2812752 32
218 3088 2812754 3100 900 33
727 3088 2812567 34
441 3089 281027 33
218 3089 281072 3100 900 34
218 3090 2812754 3100 900 36
441 3090 2812753 37
441 3091 2812752 40
218 3091 2812754 3100 900 41
etc.

Restarts again at 2112 UTC with tracks 3023, 3014 3015 3016, 6025.

6999 kHz, 08-11, 2002 UTC

Sends R W between tracks, sends as one continuous transmission, stops for 5 - 10 minutes then sends next set.

CQ CQ CQ 3014 2850753 3100 900 417 R

441 4027 2810792 06
218 4027 2810727 3100 900
827 4037 2810714 08
449 4029 6754091 06
218 4029 6754099 3100 900 07

827 4029 6754095 08
441 4030 2810528 06
218 4030 2810514 3100 900 07
827 4030 2810511 09
441 4031 2810511 10

218 4033 2810519 3100 900 07
827 4031 2810528 09
441 4032 2812732 13
218 40322 810724 3100 900
142820 403228125181

441 4033 2710511 13
218 4033 2810519 3100 900 14
827 4033 2810528 16
441 4034 2810714 18
218 4034 2810727 3100 900 19

827 4034 2810792 20
444 4035 6731017 18
218 4035 6732535 3100 900 19
827 4035 6732539 20
341 4036 6754191 20

4331 kHz, 02-11, 2110 UTC, i.p.

VVV DE 4XZ 4XZ = =
AR
NW QTC 1 NR 53 = =
NR 53 AG V BA6K 10220 IE30 GR 91 = =
IOIOI WJGRJ MMBZD IOOER RJS LC MXJFF NQPRJ QSPCJ KDBXE NGTMR
WJTHQ MLXDT GOUNT YZFP H UPSBS RCNDB TORKD KZRNY OJGRJ = =
NR 53 AG V BA6K 10220 IE30 GR 91 = =
IOIOI WJGRJ MMBZD IOOER RJS LC MXJFF NQPRJ QSPCJ KDBXE NGTMR
WJTHQ MLXDT GOUNT YZFP H UPSBS RCNDB TORKD KZRNY OJGRJ = =
NR 53 AG V BA6K 10220 IE30 GR 91 = =
AR AR

VVV DE 4XZ 4XZ = =
VVV DE 4XZ 4XZ = =
AR
NW QTC 1 NR 43 = =
NR 43 AG V BA6K 70220 IE30 GR 81 = =
IOIOI DGXBT BKPQR PSQCF TIKAJ LQHPN NLZTU ABTSO EH CMQ AJPDY
GIOHH UKDUS BNKWZ MJPCK QRQJB WDGPU SOZEI DGXBT = =
NR 43 AG V BA6K 700220 IE30 GR 81 = =
IOIOI DGXBT BKPQR PSQCF TIKAJ LQHPN NLZTU ABTSO EH CMQ AJPDY
GIOHH UKDUS BNKWZ MJPCK QRQJB WDGPU SOZEI DGXBT = =
NR 43 AG V BA6K 700220 IE30 GR 81 = =
AR AR

VVV DE 4XZ 4XZ = =
VVV DE 4XZ 4XZ = =
AR
NW QTC 1 NR 33 = =
NR 33 AG V BA6K 600220 IE30 GR 71 = =
IOIOI JSBBE YDJNW LQLXD KXDQM KKEIO EDYQM WUHWL QFHNQ ZFJBU
IOUTK BDTDP QCFFS NXQSC IQPWA LLULT JSBBE = =
NR 33 AG V BA6K 600220 IE30 GR 71 = =
IOIOI JSBBE YDJNW LQLXD KXDQM KKEIO EDYQM WUHWL QFHNQ ZFJBU
IOUTK BDTDP QCFFS NXQSC IQPWA LLULT JSBBE = =
NR 33 AG V BA6K 600220 IE30 GR 71 = =
AR AR

VVV DE 4XZ 4XZ = =
VVV DE 4XZ 4XZ = =
AR
NW QTC 1 NR 23 = =
NR 23 AG V BA6K 400220 IE30 GR 61 = =
IOIOI GGEFU QBNCB PZDER EABPF WSEDU OINCH QNSPT TSDEH GEWEA
JKRLQ EOFHG KNJFB FYGKS YXUTT PGEFU = =
NR 23 AG V BA6K 400220 IE30 GR 61 = =
IOIOI GGEFU QBNCB PZDER EABPF WSEDU OINCH QNSPT TSDEH GEWEA
JKRLQ EOFHG KNJFB FYGKS YXUTT PGEFU = =
NR 23 AG V BA6K 400220 IE30 GR 61 = =
AR AR

VVV DE 4XZ 4XZ = =
VVV DE 4XZ 4XZ = =
AR
NW QTC 1 NR 13 = =
NR 13 AG V BA6K 200220 IE30 GR 51 = =
IOIOI RQFQS XEARD GKHAX QXDYM RJATM EPLTN JRIJU CPIKG PPLIM
GXJGM JDEMG CLWEA YUIND RQFQS = =
NR 13 AG V BA6K 200220 IE30 GR 51 = =
IOIOI RQFQS XEARD GKHAX QXDYM RJATM EPLTN JRIJU CPIKG PPLIM
GXJGM JDEMG CLWEA YUIND RQFQS = =
NR 13 AG V BA6K 200200 IE30 GR 51 = =
AR AR

VVV DE 4XZ 4XZ = =

M23

An hourly tone is sent at hh59.

6937 kHz, 01-11, 0359 UTC 15081769 (R15m45s)
6937 kHz, 02-11, 0359 UTC 15081769 (R15m44s)
6937 kHz, 03-11, 0359 UTC 15081769 (R15m44s)
6937 kHz, 04-11, 0359 UTC 15081769 (R15m44s)
6937 kHz, 05-11, 0359 UTC 15081769 (R15m44s)
6937 kHz, 07-11, 0359 UTC 15081769 (R15m45s)

10916 kHz, 01-11, 0859 UTC 50505 55550 05550 05500 55005 (R18m15s)
10916 kHz, 02-11, 0859 UTC 50505 55550 05550 05500 55005 (R18m16s)
10916 kHz, 03-11, 0859 UTC 50505 55550 05550 05500 55005 (R18m16s)
10916 kHz, 04-11, 0859 UTC 50505 55550 05550 05500 55005 (R18m16s)

14930 kHz, 01-11, 1159 UTC 15081769 (R15m51s)
14930 kHz, 02-11, 1159 UTC 15081769 (R15m44s)
14930 kHz, 03-11, 1159 UTC 15081769 (R15m44s)
14930 kHz, 04-11, 1159 UTC 15081769 (R15m47s)
14930 kHz, 06-11, 1159 UTC 15081769 (R15m44s)
07-11 No regular transmission but at 1208 UTC an end of message tone was sent

4822 kHz, 01-11, 2259 UTC 50505 55550 05550 05500 55005 (R17m)
4822 kHz, 02-11, 2259 UTC 50505 55550 05550 05500 55005 (R17m)
4822 kHz, 03-11, 2259 UTC 50505 55550 05550 05500 55005 (R17m)
4822 kHz, 04-11, 2259 UTC 50505 55550 05550 05500 55005 (R17m)
05-11 Not heard
4822 kHz, 06-11, 2259 UTC 50505 55550 05550 05500 55005 (R17m)

MC03 - Chinese Air Defense

5768 kHz, 18-11, 1710 UTC, i.p. Logged by Pille.

Converted to figures.

NR 7UN5 NDND TTA3	NR 7295 9898 0013
NR 6A6U 4736 TTA3	NR 6162 4736 0013
NR 3TA5 3DNA TTA3	NR 3015 3891 0013
NR 6A56 A576 TTA3	NR 6156 1576 0013
NR 5T50 04AA TTA3	NR 5050 0411 0013
NR 6AD6 3NA3 TTA4	NR 6186 3913 0014
NR DTN5 373T TTA4	NR 8095 3730 0014
NR DAN5 TAU A TTA4	NR 8195 0121 0014
NR DA45 DD5A TTA4	NR 8145 8851 0014
NR DAD6 TNTA TTA4	NR 8186 0901 0014
NR UNTU N7DD TTA4	NR 2902 9788 0014
NR UN35 UAD5 TTA4	NR 2935 2185 0014
NR ANAU 5773 TTA4	NR 1912 5773 0014
NR DA63 DN7N TTA4	NR 8163 8979 0014
NR 7DU5 UAAU TTA4	NR 7825 2112 0014
NR 7NA3 DTUU TTA5	NR 7913 8022 0015
NR 7AA3 T4UA TTA5	NR 7113 0421 0015
NR 7NA5 6A7N TTA5	NR 7915 6179 0015
NR DA47 A34A TTA5	NR 8147 1341 0015
NR UN53 N4AU TTA5	NR 2953 9412 0015
NR UN7N TA37 TTA5	NR 2979 0137 0015
NR UN75 66T4 TTA5	NR 2975 6604 0015
NR 3TU3 6N4N TTA5	NR 3023 6949 0015
NR UND6 AD43 TTA5	NR 2986 1843 0015
NR 3T4N UA37 TTA5	NR 3049 2137 0015
NR DT33 ATAU TTA6	NR 8033 1012 0016
NR DAU6 6D4N TTA6	NR 8126 6849 0016

NR T5N7 T3NU TTA6	NR 0597 0392 0016
NR 3T33 4NU5 TTA6	NR 3033 4925 0016
NR T4A5 746A TTA6	NR 0415 7461 0016
NR 7DU5 UAD6 TTA6	NR 7825 2186 0016
NR N3AT 6NTT TTA6	NR 9310 6900 0016
NR 3A5A 4N7T TTA6	NR 3151 4970 0016
NR 7DU5 UAD6 TTA6	NR 7825 2186 0016
NR N3AT 6NTT TTA6	NR 9310 6900 0016
NR 3A5A 4N7T TTA6	NR 3151 4970 0016
NR UNU__U46 TTA6	NR 292__246 0016
NR _7NN_TUN TTA6	NR _799_029 0016
NR TA57 D7D5 TTA6	NR 0157 8785 0016
NR DTT5 TA_N TTA7	NR 8005 01_9 0017
NR DT33 TT34 TTA7	NR 8033 0034 0017
NR IEAN TA33 TTA7	NR IE19 0133 0017
NR UN55 UD33 TTA7	NR 2955 2833 0017
NR UN__UD73 TTA7	NR 29__2873 0017
NR DA6_5N__TTA7	NR 816_59__0017
NR UN73 7N3A TTA7	NR 2973 7931 0017
NR 3T__4NNN TTA7	NR 30__4999 0017
NR DA36__3D TTA7	NR 8136__38 0017

etc.

UM04 - PROMRCh

4735 kHz, 01-11, 0800 UTC

VVV VVV PROMRCh = 01 11 =
1000 1170 1220 1390 1940
1200 1320 1360 1530 2075
1400 1280 1310 1460 1945
1600 1280 1320 1480 2000
1800 1110 2550 **127401720**
2000 0770 0800 0890 1200
2200 0560 0580 0630 0830
0000 0520 0530 0580 0740
0200 0530 0540 0600 0770
0400 0500 0520 0570 0740
0600 0410 0430 0480 0660
0800 0910 0960 1120 1600
= ABV
VVV VVV PROMRCh = 01 11 =
1000 1170 1220 1390 1940
1200 1320 1360 1530 2075
1400 1280 1310 1460 1945
1600 1280 1320 1480 2000
1800 1110 2550 **127401720**
2000 0770 0800 0890 1200
2200 0560 0580 0630 0830
0000 0520 0530 0580 0740
0200 0530 0540 0600 0770
0400 0500 0520 0570 0740
0600 0410 0430 0480 0660
0800 0910 0960 1120 1600
= AR

4735 kHz, 02-11, 0800 UTC

VVV VVV PROMRCh = 0211 =
1000 1180 1230 1400 1950
1200 1320 1370 1530 2080
1400 1280 1320 1460 1950
1600 1290 1330 1480 2010
1800 1110 2550 1280 1720
2000 0780 0810 0900 1210
2200 0570 0580 0640 0830
0000 0530 0540 0590 0750
0200 0550 0560 0610 0780
0400 0520 0530 0580 0750
0600 0420 0430 0490 0660
0800 0920 0970 1130 1610
= ABV
VVV VVV PROMRCh = 0211 =
1000 1180 1230 1400 1950
1200 1320 1370 1530 2080
1400 1280 1320 1460 1950
1600 1290 1330 1480 2010
1800 1110 2550 1280 1720
2000 0780 0810 0900 1210
2200 0570 0580 0640 0830
0000 0530 0540 0590 0750
0200 0550 0560 0610 0780
0400 0520 0530 0580 0750
0600 0420 0430 0490 0660
0800 0920 0970 1130 1610
= AR

4735 kHz, 03-11, 0800 UTC

VVV VVV PROMRCh = 03 11 =
1000 1190 1240 1410 2120
1200 1330 1370 1540 2230
1400 1290 1330 1470 2060
1600 1290 1330 1480 2060
1800 1110 2550 1280 1770
2000 0780 0810 0900 1250
2200 0570 0590 0640 0860
0000 0530 0540 0590 0780
0200 0550 0560 0610 0790
0400 0520 0530 0580 0760
0600 0420 0440 0490 0670
0800 0920 0970 1130 1630
= ABV
VVV VVV PROMRCh = 03 11 =
1000 1190 1240 1410 2120
1200 1330 1370 1540 2230
1400 1290 1330 1470 2060
1600 1290 1330 1480 2060
1800 1110 2550 1280 1770
2000 0780 0810 0900 1250
2200 0570 0590 0640 0860
0000 0530 0540 0590 0780
0200 0550 0560 0610 0790
0400 0520 0530 0580 0760
0600 0420 0440 0490 0670
0800 0920 0970 1130 1630
= AR

4735 kHz, 04-11, 0800 UTC

VVV VVV PROMRCh = 04 11 =
1000 1200 1250 1420 1970
1200 1340 1380 1550 2090
1400 1290 1330 1470 1950
1600 1280 1320 1470 1980
1800 1110 2550 1270 1700
2000 0790 0820 0910 1220
2200 0580 0600 0650 0840
0000 0540 0550 0600 0770
0200 0550 0560 0610 0780
0400 0520 0530 0580 0750
0600 0420 0440 0490 0660
0800 0920 0970 1130 1620
= ABV
VVV VVV PROMRCh = 04 11 =
1000 1200 1250 1420 1970
1200 1340 1380 1550 2090
1400 1290 1330 1470 1950
1600 1280 1320 1470 1980
1800 1110 2550 1270 1700
2000 0790 0820 0910 1220
2200 0580 0600 0650 0840
0000 0540 0550 0600 0770
0200 0550 0560 0610 0780
0400 0520 0530 0580 0750
0600 0420 0440 0490 0660
0800 0920 0970 1130 1620
= AR

4735 kHz, 05-11, 0800 UTC

VVV VVV PROMRCh = 05 11 =
1000 1210 1250 1430 1980
1200 1340 1380 1550 2090
1400 1290 1330 1470 1950
1600 1280 1320 1470 1970
1800 1110 2550 1270 1700
2000 0790 0820 0910 1220
2200 0580 0590 0650 0840
0000 0540 0550 0600 0770
0200 0550 0560 0620 0790
0400 0520 0530 0580 0740
0600 0420 0440 0490 0660
0800 0930 0970 1140 1630
= ABV
VVV VVV PROMRCh = 05 11 =
1000 1210 1250 1430 1980
1200 1340 1380 1550 2090
1400 1290 1330 1470 1950
1600 1280 1320 1470 1970
1800 1110 2550 1270 1700
2000 0790 0820 0910 1220
2200 0580 0590 0650 0840
0000 0540 0550 0600 0770
0200 0550 0560 0620 0790
0400 0520 0530 0580 0740
0600 0420 0440 0490 0660
0800 0930 0970 1140 1630
= AR

4735 kHz, 09-11, 0800 UTC

VVV VVV PROMRCh = 09 11 =
1000 1230 1280 1460 2030
1200 1360 1400 1560 2110
1400 1320 1350 1490 1970
1600 1290 1330 1470 1950
1800 1110 2550 1270 1660
2000 0790 0820 0910 1210
2200 0570 0580 0640 0820
0000 0540 0550 0590 0760
0200 0540 0550 0600 0770
0400 0510 0520 0570 0730
0600 0420 0430 0490 0650
0800 0930 0980 1150 1630
= ABV
VVV VVV PROMRCh = 09 11 =
1000 1230 1280 1460 2030
1200 1360 1400 1560 2110
1400 1320 1350 1490 1970
1600 1290 1330 1470 1950
1800 1110 2550 1270 1660
2000 0790 0820 0910 1210
2200 0570 0580 0640 0820
0000 0540 0550 0590 0760
0200 0540 0550 0600 0770
0400 0510 0520 0570 0730
0600 0420 0430 0490 0650
0800 0930 0980 1150 1630
= AR

4735 kHz, 06-11, 0800 UTC

VVV VVV PROMRCh = 06 11 =
1000 1210 1260 1440 1990
1200 1340 1380 1550 2100
1400 0960 1330 1470 1950
1600 1280 1320 1470 1960
1800 1110 2550 1270 1690
2000 0800 0820 0910 1210
2200 0570 0590 0640 0830
0000 0540 0550 0600 0760
0200 0550 0560 0610 0780
0400 0520 0530 0580 0740
0600 0420 0440 0490 0660
0800 0930 0980 1140 1630
= ABV
VVV VVV PROMRCh = 06 11 =
1000 1210 1260 1440 1990
1200 1340 1380 1550 2100
1400 0960 1330 1470 1950
1600 1280 1320 1470 1960
1800 1110 2550 1270 1690
2000 0800 0820 0910 1210
2200 0570 0590 0640 0830
0000 0540 0550 0600 0760
0200 0550 0560 0610 0780
0400 0520 0530 0580 0740
0600 0420 0440 0490 0660
0800 0930 0980 1140 1630
= AR

4735 kHz, 10-11, 0800 UTC

VVV VVV PROMRCh = 10 11 =
1000 1240 1290 1470 2040
1200 1370 1410 1580 2130
1400 1330 1360 1500 1970
1600 1300 1340 1480 1960
1800 1120 2550 1270 1670
2000 0800 0830 0910 1220
2200 0570 0580 0640 0820
0000 0540 0550 0600 0760
0200 0550 0560 0600 0770
0400 0510 0520 0570 0730
0600 0420 0430 0490 0650
0800 0940 0980 1150 1640
= ABV
VVV VVV PROMRCh = 10 11 =
1000 1240 1290 1470 2040
1200 1370 1410 1580 2130
1400 1330 1360 1500 1970
1600 1300 1340 1480 1960
1800 1120 2550 1270 1670
2000 0800 0830 0910 1220
2200 0570 0580 0640 0820
0000 0540 0550 0600 0760
0200 0550 0560 0600 0770
0400 0510 0520 0570 0730
0600 0420 0430 0490 0650
0800 0940 0980 1150 1640
= AR

Not monitored

4735 kHz, 11-11, 0800 UTC

VVV VVV PROMRCh = 11 11 =
1000 1250 1300 1480 2050
1200 1370 1420 1580 2130
1400 1330 1360 1500 1960
1600 1300 1330 1460 1920
1800 1120 2550 1270 1660
2000 0810 0840 0930 1230
2200 0590 0600 0650 0830
0000 0550 0560 0610 0770
0200 0550 0560 0610 0770
0400 0510 0520 0570 0730
0600 0420 0430 0480 0650
0800 0940 0990 1150 1640
= ABV
VVV VVV PROMRCh = 11 11 =
1000 1250 1300 1480 2050
1200 1370 1420 1580 2130
1400 1330 1360 1500 1960
1600 1300 1330 1460 1920
1800 1120 2550 1270 1660
2000 0810 0840 0930 1230
2200 0590 0600 0650 0830
0000 0550 0560 0610 0770
0200 0550 0560 0610 0770
0400 0510 0520 0570 0730
0600 0420 0430 0480 0650
0800 0940 0990 1150 1640
= AR

4735 kHz, 08-11, 0803 UTC

VVV VVV PROMRCh = 0811 =
1000 1220 1270 0450 2010
1200 1350 1390 1560 2100
1400 1310 1340 1480 1960
1600 1290 1320 1460 1940
1800 1120 2550 1270 1680
2000 0800 0830 0920 1220
2200 0570 0590 0640 0830
0000 0540 0550 0600 0770
0200 0550 0560 0610 0780
0400 0520 0530 0570 0740
0600 0420 0030 0480 0660
0800 0930 0980 1140 1630
= ABV
VVV VVV PROMRCh = 0811 =
1000 1220 1270 0450 2010
1200 1350 1390 1560 2100
1400 1310 1340 1480 1960
1600 1290 1320 1460 1940
1800 1120 2550 1270 1680
2000 0800 0830 0920 1220
2200 0570 0590 0640 0830
0000 0540 0550 0600 0770
0200 0550 0560 0610 0780
0400 0520 0530 0570 0740
0600 0420 0030 0480 0660
0800 0930 0980 1140 1630
= AR

4735 kHz, 12-11, 0802 UTC

VVV VVV PROMRCh = 12 11 =
1000 1150 1200 1380 1930
1200 1280 1020 1480 2020
1400 1260 1290 1420 1880
1600 1240 1270 1400 1850
1800 1070 2550 1270 1590
2000 0770 0790 0880 1060
2200 0560 0570 0620 0800
0000 0540 0550 0590 0750
0200 0540 0540 0590 0760
0400 0500 0510 0560 0710
0600 0420 0430 0480 0650
0800 0930 0980 1140 1630
= AR
VVV VVV PROMRCh = 12 11 =
1000 1150 1200 1380 1930
1200 1280 1020 1480 2020
1400 1260 1290 1420 1880
1600 1240 1270 1400 1850
1800 1070 2550 1270 1590
2000 0770 0790 0880 1060
2200 0560 0570 0620 0800
0000 0540 0550 0590 0750
0200 0540 0540 0590 0760
0400 0500 0510 0560 0710
0600 0420 0430 0480 0650
0800 0930 0980 1140 1630
= AR

4735 kHz, 13-11, 0800 UTC

VVV VVV PROMRCh = 1311 =
 1000 1200 1210 1380 1930
 1200 1280 1330 1490 2020
 1400 1260 1290 1430 1890
 1600 1240 1270 1400 1870
 1800 1050 2550 1270 1570
 2000 0760 0780 0870 1160
 2200 0560 0570 0620 0790
 0000 0530 0540 0580 0750
 0200 0530 0540 0590 0750
 0400 0500 0510 0550 0710
 0600 0410 0430 0480 0640
 0800 0920 0970 1140 1620
 = ABV
 VVV VVV PROMRCh = 1311 =
 1000 1200 1210 1380 1930
 1200 1280 1330 1490 2020
 1400 1260 1290 1430 1890
 1600 1240 1270 1400 1870
 1800 1050 2550 1270 1570
 2000 0760 0780 0870 1160
 2200 0560 0570 0620 0790
 0000 0530 0540 0580 0750
 0200 0530 0540 0590 0750
 0400 0500 0510 0550 0710
 0600 0410 0430 0480 0640
 0800 0920 0970 1140 1620
 = AR

4735 kHz, 14-11, 0800 UTC

VVV VVV PROMRCh = 14 11 =
 1000 1250 1300 1480 2060
 1200 1370 1410 1570 2130
 1400 1320 1350 1490 1970
 1600 1290 1320 1450 1920
 1800 1090 2550 1270 1610
 2000 0780 0800 0890 1180
 2200 0570 0580 0630 0810
 0000 0540 0550 0600 0760
 0200 0540 0550 0600 0760
 0400 0510 0520 0560 0720
 0600 0420 0430 0480 0650
 0800 0930 0980 1140 1630
 = ABV
 VVV VVV PROMRCh = 14 11 =
 1000 1250 1300 1480 2060
 1200 1370 1410 1570 2130
 1400 1320 1350 1490 1970
 1600 1290 1320 1450 1920
 1800 1090 2550 1270 1610
 2000 0780 0800 0890 1180
 2200 0570 0580 0630 0810
 0000 0540 0550 0600 0760
 0200 0540 0550 0600 0760
 0400 0510 0520 0560 0720
 0600 0420 0430 0480 0650
 0800 0930 0980 1140 1630
 = AR

4735 kHz, 15-11, 0800 UTC

VVV VVV PRGMRCh 15 11 =
 1000 1250 1290 1480 2060
 1200 1360 1410 1570 2130
 1400 1320 1360 1500 1970
 1600 1280 1320 1450 1920
 1800 1080 2550 1270 1590
 2000 0770 0790 0880 1170
 2200 0560 0570 0630 0800
 0000 0540 0550 0600 0760
 0200 0530 0540 0590 0750
 0400 0500 0510 0560 0710
 0600 0420 0430 0480 0650
 0800 0920 0970 1140 1630
 = ABV
 VVV VVV PRGMRCh 15 11 =
 1000 1250 1290 1480 2060
 1200 1360 1410 1570 2130
 1400 1320 1360 1500 1970
 1600 1280 1320 1450 1920
 1800 1080 2550 1270 1590
 2000 0770 0790 0880 1170
 2200 0560 0570 0630 0800
 0000 0540 0550 0600 0760
 0200 0530 0540 0590 0750
 0400 0500 0510 0560 0710
 0600 0420 0430 0480 0650
 0800 0920 0970 1140 1630
 = AR

4735 kHz, 16-11, 0759 UTC

60 0780 0860 1150 2 silence
 VVV VVV PROMRCh = 16 11 =
 1000 1240 1300 1480 2060
 1200 1360 1400 1570 2130
 1400 1320 1350 1490 1970
 1600 1280 1310 1450 1920
 1800 1060 2550 1270 1570
 2000 **0760 0780 0860 1150**
2200 0550 0560 0620 0790
 0000 0540 0550 0590 0760
 0200 0530 0540 0590 0750
 0400 0500 0510 0550 0700
 0600 0410 0430 0480 0650
 0800 0920 0970 1130 1620
 = ABV
 VVV VVV PROMRCh = 16 11 =
 1000 1240 1300 1480 2060
 1200 1360 1400 1570 2130
 1400 1320 1350 1490 1970
 1600 1280 1310 1450 1920
 1800 1060 2550 1270 1570
 2000 0760 0780 0860 1150
 2200 0550 0560 0620 0790
 0000 0540 0550 0590 0760
 0200 0530 0540 0590 0750
 0400 0500 0510 0550 0700
 0600 0410 0430 0480 0650
 0800 0920 0970 1130 1620
 = AR

4735 kHz, 17-11, 0800 UTC

VVV VVV PROMRCh = 1711 =
 1000 1240 1290 1470 2050
 1200 1050 1390 1560 2120
 1400 1310 1350 1480 1960
 1600 1270 1300 1440 1910
 1800 1040 2550 1270 1540
 2000 0740 0760 0850 1120
 2200 0540 0550 0610 0770
 0000 0530 0540 0580 0750
 0200 0520 0530 0580 0740
 0400 0490 0500 0550 0700
 0600 0410 0420 0480 0640
 0800 0910 0960 1120 1610
 = ABV
 VVV VVV PROMRCh = 1711 =
 1000 1240 1290 1470 2050
 1200 1050 1390 1560 2120
 1400 1310 1350 1480 1960
 1600 1270 1300 1440 1910
 1800 1040 2550 1270 1540
 2000 0740 0760 0850 1120
 2200 0540 0550 0610 0770
 0000 0530 0540 0580 0750
 0200 0520 0530 0580 0740
 0400 0490 0500 0550 0700
 0600 0410 0420 0480 0640
 0800 0910 0960 1120 1610
 = AR

4735 kHz, 18-11, 0800 UTC

VVV VVV PROMRCh = 18 11 =
 1000 1230 1280 1460 2050
 1200 1340 1380 1550 2110
 1400 1300 1340 0480 1950
 1600 1260 1290 1430 1910
 1800 1010 1040 1140 1500
 2000 0710 0740 0820 1090
 2200 0530 0540 0590 0760
 0000 0520 0530 0570 0730
 0200 0520 0520 0570 0740
 0400 0490 0500 0540 0690
 0600 0410 0420 0470 0640
 0800 0900 0950 1120 1610
 = (8 sec silence) BV
 VVV VVV PROMRCh = 18 11 =
 1000 1230 1280 1460 2050
 1200 1340 1380 1550 2110
 1400 1300 1340 0480 1950
 1600 1260 1290 1430 1910
 1800 1010 1040 1140 1500
 2000 0710 0740 0820 1090
 2200 0530 0540 0590 0760
 0000 0520 0530 0570 0730
 0200 0520 0520 0570 0740
 0400 0490 0500 0540 0690
 0600 0410 0420 0470 0640
 0800 0900 0950 1120 1610
 = AR

4735 kHz, 19-11, 0800 UTC

VVV VVV PROMRCh = 19 11 =
 1000 1210 1260 1450 2020
 1200 1320 1360 1530 2080
 1400 1290 1330 1460 1950
 1600 1240 1280 1420 1900
 1800 0980 1010 1110 1460
 2000 0690 0710 0800 1070
 2200 0520 0530 0580 0740
 0000 0510 0520 0560 0720
 0200 0500 0510 0560 0730
 0400 0480 0490 0530 0690
 0600 0400 0420 0470 0640
 0800 0890 0940 1110 1590
 = ABV
 VVV VVV PROMRCh = 19 11 =
 1000 1210 1260 1450 2020
 1200 1320 1360 1530 2080
 1400 1290 1330 1460 1950
 1600 1240 1280 1420 1900
 1800 0980 1010 1110 1460
 2000 0690 0710 0800 1070
 2200 0520 0530 0580 0740
 0000 0510 0520 0560 0720
 0200 0500 0510 0560 0730
 0400 0480 0490 0530 0690
 0600 0400 0420 0470 0640
 0800 0890 0940 1110 1590
 = AR

4735 kHz, 20-11, 0800 UTC

VVV VVV PROMRCh = 2011 =
 1000 1200 1250 1440 2020
 1200 1300 1350 1510 2070
 1400 1280 1310 1460 1950
 1600 1230 1270 1410 1890
 1800 0950 0980 1080 1430
 2000 0670 0690 0780 1040
 2200 0500 0510 0560 0730
 0000 0500 0510 0560 0710
 0200 0490 0500 0550 0710
 0400 0480 0480 0530 0680
 0600 0400 0410 0460 0630
 0800 0880 0930 1100 1580
 = ABV
 VVV VVV PROMRCh = 2011 =
 1000 1200 1250 1440 2020
 1200 1300 1350 1510 2070
 1400 1280 1310 1460 1950
 1600 1230 1270 1410 1890
 1800 0950 0980 1080 1430
 2000 0670 0690 0780 1040
 2200 0500 0510 0560 0730
 0000 0500 0510 0560 0710
 0200 0490 0500 0550 0710
 0400 0480 0480 0530 0680
 0600 0400 0410 0460 0630
 0800 0880 0930 1100 1580
 = AR

4735 kHz, 21-11, 0800 UTC

VVV VVV PROMRCh = 21 11 =
 1000 1190 1230 1420 1910
 1200 1290 1340 1500 1990
 1400 1270 1310 1450 1880
 1600 1220 1260 1400 1850
 1800 0930 0950 1050 1360
 2000 0650 0670 0760 0990
 2200 0490 0500 0550 0700
 0000 0490 0500 0550 0690
 0200 0480 0490 0540 0690
 0400 0470 0480 0520 0670
 0600 0390 0410 0460 0620
 0800 0870 0920 1080 1550
 = ABV

VVV VVV PROMRCh = 21 11 =
 1000 1190 1230 1420 1910
 1200 1290 1340 1500 1990
 1400 1270 1310 1450 1880
 1600 1220 1260 1400 1850
 1800 0930 0950 1050 1360
 2000 0650 0670 0760 0990
 2200 0490 0500 0550 0700
 0000 0490 0500 0550 0690
 0200 0480 0490 0540 0690
 0400 0470 0480 0520 0670
 0600 0390 0410 0460 0620
 0800 0870 0920 1080 1550
 = AR

4735 kHz, 22-11, 0800 UTC

VVV VVV PROMRCh = 22 11 =
 1000 1180 1230 1430 2000
 1200 1280 1330 1500 2060
 1000 1260 1300 1450 1950
 1600 1210 1160 1410 1900
 1800 0910 0940 1040 1370
 2000 0640 0660 0740 1000
 2200 0640 0490 0540 0700
 0000 0480 0490 0550 0690
 0200 0480 0590 0540 0700
 0400 0460 0470 0520 0670
 0600 0390 0410 0460 0630
 0800 0860 0910 1070 1550
 = ABV

VVV VVV PROMRCh = 22 11 =
 1000 1180 1230 1430 2000
 1200 1280 1330 1500 2060
 1000 1260 1300 1450 1950
 1600 1210 1160 1410 1900
 1800 0910 0940 1040 1370
 2000 0640 0660 0740 1000
 2200 0640 0490 0540 0700
 0000 0480 0490 0550 0690
 0200 0480 0590 0540 0700
 0400 0460 0470 0520 0670
 0600 0390 0410 0460 0630
 0800 0860 0910 1070 1550
 = AR

4735 kHz, 23-11, 0800 UTC

VVV VVV PROMRCh = 23 11 =
 1000 1170 1220 1410 1990
 1200 1070 1320 1490 2050
 1400 1250 1290 1440 1950
 1600 1210 1250 1410 1920
 1800 0890 0920 1020 1360
 2000 0620 0640 0720 0970
 2200 0470 0470 0530 0680
 0000 0480 0490 0530 0680
 0200 0480 0490 0540 0690
 0400 0460 0470 0520 0670
 0600 0390 0400 0460 0630
 0800 0850 0900 1070 1550
 = ABV

VVV VVV PROMRCh = 23 11 =
 1000 1170 1220 1410 1990
 1200 1070 1320 1490 2050
 1400 1250 1290 1440 1950
 1600 1210 1250 1410 1920
 1800 0890 0920 1020 1360
 2000 0620 0640 0720 0970
 2200 0470 0470 0530 0680
 0000 0480 0490 0530 0680
 0200 0480 0490 0540 0690
 0400 0460 0470 0520 0670
 0600 0390 0400 0460 0630
 0800 0850 0900 1070 1550
 = AR

4735 kHz, 24-11, 0800 UTC

VVV VVV PROMRCh = 24 11 =
 1000 1160 1210 1400 1980
 1200 1260 1310 1480 2040
 1400 1250 1290 1440 1950
 1600 1210 1250 1410 1920
 1800 0870 0900 1010 1340
 2000 0600 0630 0710 0960
 2200 0460 0470 0520 0680
 0000 0460 0470 0520 0670
 0200 0470 0480 0530 0690
 0400 0460 0470 0520 0670
 0600 0390 0400 0460 0620
 0800 0850 0890 1060 1540
 = ABV

VVV VVV PROMRCh = 24 11 =
 1000 1160 1210 1400 1980
 1200 1260 1310 1480 2040
 1400 1250 1290 1440 1950
 1600 1210 1250 1410 1920
 1800 0870 0900 1010 1340
 2000 0600 0630 0710 0960
 2200 0460 0470 0520 0680
 0000 0460 0470 0520 0670
 0200 0470 0480 0530 0690
 0400 0460 0470 0520 0670
 0600 0390 0400 0460 0620
 0800 0850 0890 1060 1540
 = AR

4735 kHz, 25-11, 0800 UTC

VVV VVV PROMRCh = 25 11 =
 1000 1150 1210 1400 1970
 1200 1250 1300 1470 2030
 1400 1240 1280 1440 1950
 1600 1200 1240 1400 1930
 1800 0860 0880 0990 1330
 2000 0590 0610 0690 0940
 2200 0450 0460 0510 0670
 0000 0460 0470 0510 0660
 0200 0470 0480 0530 0680
 0400 0460 0470 0520 0670
 0600 0390 0400 0450 0630
 0800 0840 0890 1050 1530
 = ABV

VVV VVV PROMRCh = 25 11 =
 1000 1150 1210 1400 1970
 1200 1250 1300 1470 2030
 1400 1240 1280 1440 1950
 1600 1200 1240 1400 1930
 1800 0860 0880 0990 1330
 2000 0590 0610 0690 0940
 2200 0450 0460 0510 0670
 0000 0460 0470 0510 0660
 0200 0470 0480 0530 0680
 0400 0460 0470 0520 0670
 0600 0390 0400 0450 0630
 0800 0840 0890 1050 1530
 = AR

4735 kHz, 26-11, 0800 UTC

VVV VVV PROMRCh = 2611 =
 1000 1140 1200 1390 1960
 1200 1240 1290 1460 2020
 1400 1230 1270 1420 1940
 1600 1190 1240 1400 1930
 1800 0830 0860 0970 1310
 2000 0570 0590 0670 0930
 2200 0440 0450 0510 0660
 0000 0460 0460 0510 0660
 0200 0460 0470 0520 0680
 0400 0460 0470 0510 0670
 0600 0380 0400 0450 0620
 0800 0830 0880 1040 1520
 = ABV

VVV VVV PROMRCh = 2611 =
 1000 1140 1200 1390 1960
 1200 1240 1290 1460 2020
 1400 1230 1270 1420 1940
 1600 1190 1240 1400 1930
 1800 0830 0860 0970 1310
 2000 0570 0590 0670 0930
 2200 0440 0450 0510 0660
 0000 0460 0460 0510 0660
 0200 0460 0470 0520 0680
 0400 0460 0470 0510 0670
 0600 0380 0400 0450 0620
 0800 0830 0880 1040 1520
 = AR

4735 kHz, 27-11, 0800 UTC

VVV VVV PROMRCh = 27 11 =
 1000 1140 1190 1380 1960
 1200 1230 1280 1500 2020
 1400 1220 1260 1420 1940
 1600 1190 1240 1400 1940
 1800 0820 0850 0950 1290
 2000 0560 0580 0660 0910
 2200 0440 0450 0500 0650
 0000 0450 0460 0500 0650
 0200 0460 0470 0520 0680
 0400 0450 0460 0510 0670
 0600 0380 0400 0450 0630
 0800 0820 0870 1040 1500
 = ABV

VVV VVV PROMRCh = 27 11 =
 1000 1140 1190 1380 1960
 1200 1230 1280 1500 2020
 1400 1220 1260 1420 1940
 1600 1190 1240 1400 1940
 1800 0820 0850 0950 1290
 2000 0560 0580 0660 0910
 2200 0440 0450 0500 0650
 0000 0450 0460 0500 0650
 0200 0460 0470 0520 0680
 0400 0450 0460 0510 0670
 0600 0380 0400 0450 0630
 0800 0820 0870 1040 1500
 = AR

4735 kHz, 28-11, 0800 UTC

VVV VVV PROMRCh = 28 11 =

1000 1130 1180 1370 1950
 1200 1230 1280 1450 2010
 1400 1210 1260 1420 1940
 1600 1180 1230 1400 1940
 1800 0810 0840 0940 1270
 2000 0550 0570 0650 0900
 2200 0430 0440 0490 0650
 0000 0450 0450 0500 0650
 0200 0460 0470 0520 0670
 0400 0450 0460 0510 0670
 0600 0380 0400 0460 0620
 0800 0820 0870 1030 1500

= ABV

VVV VVV PROMRCh = 28 11 =

1000 1130 1180 1370 1950
 1200 1230 1280 1450 2010
 1400 1210 1260 1420 1940
 1600 1180 1230 1400 1940
 1800 0810 0840 0940 1270
 2000 0550 0570 0650 0900
 2200 0430 0440 0490 0650
 0000 0450 0450 0500 0650
 0200 0460 0470 0520 0670
 0400 0450 0460 0510 0670
 0600 0380 0400 0460 0620
 0800 0820 0870 1030 1500

= AR

4735 kHz, 29-11, 0801 UTC

VVV VVV PROMRCh = 29 11 =

1000 1070 1130 1310 1870
 1200 1180 1230 1400 1950
 1400 1170 1220 1380 1890
 1600 1150 1200 1370 1900
 1800 0780 0810 0920 1250
 2000 0530 0550 0630 0870
 2200 0410 0420 0470 0630
 0000 0430 0440 0490 0630
 0200 0450 0460 0510 0670
 0400 0450 0460 0510 0670
 0600 0380 0390 0450 0620
 0800 0810 0860 1020 1490

= ABV

VVV VVV PROMRCh = 29 11 =

1000 1070 1130 1310 1870
 1200 1180 1230 1400 1950
 1400 1170 1220 1380 1890
 1600 1150 1200 1370 1900
 1800 0780 0810 0920 1250
 2000 0530 0550 0630 0870
 2200 0410 0420 0470 0630
 0000 0430 0440 0490 0630
 0200 0450 0460 0510 0670
 0400 0450 0460 0510 0670
 0600 0380 0390 0450 0620
 0800 0810 0860 1020 1490

= AR

4735 kHz,30-11, 0800 UTC

VVV VVV PROMRCh = 30 11 =

1000 1120 1170 1360 1940
 1200 1220 1270 1440 2010
 1400 1210 1250 1420 1950
 1600 1190 1230 1420 1980
 1800 0780 0810 0920 1260
 2000 0520 0540 0620 0860
 2200 0400 0410 0460 0620
 0000 0430 0440 0490 0630
 0200 0450 0460 0510 0670
 0400 0450 0460 0510 0670
 0600 0380 0400 0450 0620
 0800 0810 0850 1020 1490

= ABV

VVV VVV PROMRCh = 30 11 =

1000 1120 1170 1360 1940
 1200 1220 1270 1440 2010
 1400 1210 1250 1420 1950
 1600 1190 1230 1420 1980
 1800 0780 0810 0920 1260
 2000 0520 0540 0620 0860
 2200 0400 0410 0460 0620
 0000 0430 0440 0490 0630
 0200 0450 0460 0510 0670
 0400 0450 0460 0510 0670
 0600 0380 0400 0450 0620
 0800 0810 0850 1020 1490

= AR

UM05

This station doesn't send accented letters. These letters are either omitted or the letters are sent without a punctuation mark.

7542.8 kHz, excerpts from the daily transmissions

01-11, 0833 UTC J (R), Ecrire (R), etc.
 02-11, 0735 UTC A (R), Fusee (R), O (R), Boucles d oreilles (R), Universite (R), etc.
 03-11, 0800 UTC Eleve (R), Toucher (R), Idee (R), etc.
 04-11 Not monitored
 05-11, 0632 UTC Cle (R), Etoiles (R), Papier (R), Biere (R), Araignee (R), Automne (R), etc.
 06-11, 0636 UTC Experience (R), Construire (R), etc.
 07-11, 0646 UTC L (R), Eclair (R), Lampe (R), Theorie (R), Feu (R), etc.
 08-11, 0753 UTC Sport (R), 6 (R), Colline (R), etc.
 09-11, 0653 UTC Serpent (R), Calendrier (R), Juin (R), Y (R), S (R), Manteau (R), etc.
 10-11, 0808 UTC Recette (R), Tsunami (R), Riviere (R), etc.
 11-11, 0745 UTC Oie (R), 1 (R), Ecole (R), Lion (R), Novembre (R), Tonnerre (R), etc.
 12-11, 0632 UTC Amer (R), Herbe (R), Juin (R), etc.
 13-11, 0657 UTC Descendre (R), F (R), Probleme (R), Fevrier (R), etc.
 14-11, 0648 UTC Vie (R), Tomate (R), etc.
 15-11, 0744 UTC Porte clefs (R), 8 (R), Cuisine (R), etc.
 16-11, 0733 UTC Lundi (R), Toiletttes (R), Sante (R), Brosse (R), 8 (R), etc.
 17-11, 0653 UTC Matin (R), Situation (R), Question (R), Womnat (R), Foret (R), V (R), etc.
 18-11, 0800 UTC Sousmarin (R), Football (R), Musee (R), etc.
 19-11, 0708 UTC 4 (R), J (R), Arbuste (R), M (R), Lire (R), etc.
 20-11, 0658 UTC R (R), Sculpture (R), I (R), etc.
 21-11, 0659 UTC Pantalon (R), Sollier (R), Z (R), Poisson (R), Poele (R), etc.
 22-11, 0745 UTC B (R), Herbe (R), Amour (R), Uranus (R), etc.
 23-11, 0756 UTC Mai (R), Discours (R), Porte cles (R), Oxygene (R), N (R), Maison (R), etc.
 24-11, 0830 UTC Ciel (R), Voie (R), Phers (R), Pout (R), etc.
 25-11, 0800 UTC Sculpture (R), Plat (R), Mardi (R), V (R), etc.
 26-11, 0637 UTC Idee (R), J (R), E (R), H (R), Carte (R), etc.
 27-11, 0803 UTC Maison (R), Nature (R), Ecole (R), Eclair (R), etc.
 28-11, 1447 UTC Solaire (R), 6 (R), etc.

29-11, 0701 UTC Shampooing (R), Viande (R), Hibou (R), Medicament (R), R (R), etc.
30-11, 0706 UTC Ete (R), Armoire (R), E (R), Decouvrir, (R), Apprentissage (R), Route (R), etc.

DIGITAL MODES

F01

F01 – FSK 200/500 Mon-Fri schedule

12177/10671/8024 kHz, 01-11, 1015/1025/1035 UTC

No transmissions

12177/10671/8024 kHz, 04-11, 1015/1025/1035 UTC

78338 13014 61348 00587 23493 91077 16529 17894 02518 75874
25116 65004 64686 48618 42373 39194 76244 14823 42333 17935
36049 01273 96385 20558 27640 35114 62506 23137 37421 53518
27311 37537 93644 17349 68137 90562 05881 27267 27330 64128
09667 65719 15924 82420 46017 13237 88899 56951 30483 12498
59225 25474 91452 78567 42837 45676 82380 78782 51777 29598
97619 30689 77656 29808 46564 91489 32644 12584 65779 37436
40153 81115 73799 56591 92435 31195 98299 03419 17243 53806
30311 88613 20769 18469 85176 02638 99043 98961 74932 96373
34974 27274 21806 67350 23215 86714 67505 24974 90060 80114
58010 33192 00543 34077 08526 54046 69924 25183 78309 40537
21774 39123 10044 52241 59810 98666 13448 92122 45705 21419
97813 87971 00025 93302 83161 66910 68515 68698 44687 96402
20893 33182 70207 90206 74354 89796 35269 02700 58972 54802
25634 60029 67178 73826 61808 01513 54513 94375 05308 29725
83834 55613 51353 92724 30170 81382 37680 46835 88398 87368
24144 73440 50959 38374 22818 48214 47759 16622 83264 86230
65476 87031 62673 11396 88454 70405 35543 23623 28351 60465
22609 62211 34759 45673 43693 88843 03961 21773 24167 38657
28019 05992 09719 12813 51390 88844 69100 11011 27237 84463
89562 27382 90644 65414 94639 58197 90910 92907 38998 94829
50110 78369 60016 00408 40115 37290 90787 93602 95261 21300
64243 87969 02843 39402 63071 60308 38627 04307 95128 46455
39584 64793 99021 87956 30999 10056 09557 78058 50171 56948
37740 80451 33890 56083 45010 19206 61855 77716 16405 63334
73250 63347 62337 54426 98647 53992 03671 50777 74427 31037
19785 86468 31907 30646 64316 68821 78370 17623 78264 62666
12170 29702 55143 34871 39102 28166 37878 57556 82240 15768
52124 93439 02418 07867 05695 11748 71527 67718 08800 08135
65857 41876 94766 27036 71625 56617 45932 09906 19908 61346
54410 17771 93155 29905 72397 01535 70469 55736 31726 18476
03849 01825 37337 18377 42565 91366 64370 47714 47883 50100
13555 45356 65297 36225 04584 28202 46470 18869 12169 90201
38068 91017 74458 63184 79686 27860 28504 12948 78031 26479
52467 69042 49566 87826 19248 11670 48806 26923 91233 64167
24433 22219 10842 64479 70441 40048 66556 14078 64486 95121
39134 27764 10623 32992 57682 32780 28637 45429 20278 90681
57134 54639 58830 40394 62595 27276 52875 85904 71569 04171
21966 77015 68205 56718 51382 56606 24295 05872 30820 72832
54030 64660 10755 79707 10656 90187 06171 74496 67191 56036
02344 45368 48441 81024 42357 81405 00000 +++++

12177/10671/8024 kHz, 05-11, 1015/1025/1035 UTC

65794 27480 68756 83744 48511 80490 01161 33590 92237 48478
72137 65072 39566 69372 71220 00244 47707 38977 01132 46249
95033 37402 78705 43680 41613 25519 85908 65426 42197 82029
00000

82234 41627 98003 66428 13645 62139 26375 79833 50814 60720

93005 31883 57032 78984 06810 46430 22926 01874 26561 62628
45700 97622 79438 21423 30356 67577 28892 98628 23814 60572
65258 51774 17886 31541 17576 72901 82033 49055 10024 64510
11847 81472 11422 80842 04187 16393 51245 01674 94922 93096
00577 30822 20203 52658 41431 36542 87205 35431 72905 76013
65289 80570 27576 71083 33501 07309 96594 27483 45363 82644
86905 14671 96883 05153 59031 48525 08730 59591 18869 44042
58498 21998 61914 30248 24016 19963 93379 44508 23619 77764
72619 48408 64342 01055 55310 32418 33951 80783 31824 01500
97761 21051 85231 58869 86184 20569 17367 30086 83930 62424
16404 94664 56805 91837 64368 17390 77047 86584 08026 96528
33139 49791 41598 71125 35023 79776 74719 54565 50668 96631
84092 86589 34919 30228 72273 20968 36575 99336 82019 90990
94620 36550 39641 19985 59556 38688 25798 69040 00770 83149
00000 +++++

12177/10671/8024 kHz, 06-11, 1015/1025/1035 UTC

25383 36581 11083 84548 23786 40088 50039 06261 66123 16262
31351 05184 73233 67698 35066 91875 24542 99713 03662 33202
01715 32329 70707 39365 42554 63515 45866 32671 03592 75906
17180 02727 54808 04149 56585 77746 54921 05085 39584 66657
80675 97959 15012 51698 08574 66830 85843 36193 72491 42370
86966 77182 45599 05260 70876 57613 20049 78339 37201 77762
82844 99726 67031 70587 11342 94071 47954 70687 36820 84153
00764 91571 49553 09982 43755 90909 43820 47622 55566 28460
26302 44902 22481 46363 36286 16208 81149 26482 51132 63546
92655 04486 75424 16065 08869 45351 37256 05218 17014 09989
40076 17762 73408 67660 43546 93772 62295 33888 71832 61869
40707 38537 72778 28830 55307 53769 76400 65795 42139 36535
26123 58234 45225 65316 81223 11872 14946 75785 13887 31762
72149 25083 49345 16688 48913 39396 22506 36086 41908 24519
49531 81677 39300 44099 37788 10989 07114 95237 82628 24958
46022 36148 24405 46815 54467 45546 64192 94411 59079 18470
61632 63194 98310 28214 63345 62023 70233 09060 35346 68991
80434 39498 97899 99466 50942 30630 86259 03522 76131 49419
85720 34942 36535 31511 14422 59014 06503 63278 52347 91258
16646 37797 39953 84318 57007 14437 94857 05172 31889 36746
20042 69867 02275 88336 01985 27969 76793 91428 22185 13890
37152 77775 30488 07309 08979 86623 53681 69866 14014 69427
37766 50302 64587 05971 47371 75247 86314 61619 70724 67849
79961 40364 03632 61408 58394 13354 10897 00229 19576 27607
88617 44862 41531 24581 75806 23931 10216 23302 88752 99721
16248 47722 76587 39742 81407 03009 21473 11410 00869 30445
31852 42086 12095 95634 02218 11619 26319 89686 37805 69603
83574 48087 67675 94523 17185 16925 94611 36992 38672 21172
55269 14242 79012 14703 89016 48092 47171 16740 38905 63545
91867 64406 33209 90221 77495 36088 20963 33817 10140 25280
59944 09761 74636 69605 80535 56270 68593 64705 73903 68990
44334 17671 77924 24401 94676 19724 59315 84178 43508 42807
15380 97704 27073 89809 43826 44911 76932 53071 54093 86633
40507 60893 18611 14684 00171 16710 87441 18810 76801 60635
14744 12737 28754 08053 70477 86485 82175 44948 35814 77137
53608 84664 05669 75254 50808 15773 46796 09120 62736 95741
84898 74010 74636 70098 19164 98667 69150 21762 87697 66163
99410 80239 32257 31353 45042 45380 35746 02094 87003 05356
30902 76421 62225 53579 03608 52870 83959 34228 39275 56127
38803 71069 85727 45204 96303 59280 31024 96317 92108 24934
19670 77664 70591 81856 55631 58274 97875 40529 65614 18139
81219 48736 21031 51793 55675 84415 00000 +++++ +++++ +++++

12177/10671/8024 kHz, 07-11, 1015/1025/1035 UTC

No transmissions

12177/10671/8024 kHz, 08-11, 1015/1025/1035 UTC

00000 +++++ +++++

12177/10671/8024 kHz, 11-11, 1015/1025/1035 UTC

01735 79580 01734 88372 82203 85899 58972 31582 27374 77590
47683 31794 38576 18599 49097 77656 46526 74885 29907 62087
88055 66812 47954 29436 35670 85689 78705 26650 47125 10418
42231 56881 27220 85170 35347 58972 18968 44043 98626 61257
66367 93618 72964 83122 15929 89374 25373 82750 49165 66878
48708 74497 63225 13708 65010 64337 41861 93026 87141 76808
83908 54758 18412 71900 81484 95301 94887 75325 65071 51709
00054 70596 57685 41284 06532 26370 05315 82520 24539 57472
75816 58328 61767 43057 43455 07483 24376 50333 01273 55237
13794 37287 68484 19022 98995 32859 85072 50196 68967 17987
10784 97752 95027 55974 70698 04951 57699 45605 14583 74783
17824 95460 82181 65238 36599 42851 91670 00275 74231 65827
93433 07465 21882 61687 56358 18236 46616 90427 78841 91637
54010 06575 41688 47591 98136 27827 45093 20543 93592 13961
96893 69471 09267 54418 44272 05175 48536 88026 66113 20780
45569 03289 68186 36418 32440 92671 48350 93990 56720 59340
23961 62975 54250 99765 38681 43204 06781 10655 90866 75548
39151 93631 50722 96454 35722 56110 58414 97265 80717 31794
20335 74261 52197 69248 45684 80363 24313 61968 90587 14436
57567 18394 01912 09118 81737 95303 77971 03135 01172 43020
88329 09018 77127 35875 19855 12166 66854 86364 41248 62201
24100 66427 03199 42542 90733 84299 16392 29135 34158 90363
74515 74287 10229 10447 14489 76536 56332 29992 31080 22488
44335 77546 88103 11564 48084 81011 93391 99601 05142 95071
29722 22237 77450 23262 58884 84009 40608 83098 41090 24125
56445 87710 36889 94821 08590 42421 83800 13267 05708 79696
64840 72930 82108 80921 11124 25361 50398 58422 05743 68319
85874 96183 81099 01188 47347 72695 26881 33611 64066 14362
50869 58290 43458 52921 59774 23878 79346 85299 52264 68906
65349 59348 41398 02694 43140 33894 48638 44149 40258 86552
36634 54439 77157 67715 72957 24431 48184 24187 41989 02858
06164 40872 47134 76149 05292 73972 70554 35858 82008 74129
82612 94614 78556 22937 18211 36568 38895 31277 62206 13227
31666 72909 11100 20646 79903 51745 03183 18909 02164 26262
34326 79824 94768 39472 01600 73785 09853 27903 41920 31726
08897 08020 57890 43113 96439 63518 48052 75911 63645 81944
83701 29457 96435 14063 99491 56183 27843 54413 89977 13125
39305 66504 29317 29147 40562 01067 56295 98841 82862 80813
91876 39010 85146 50141 81454 68687 77921 13209 79003 98638
94480 08834 15309 41265 64193 95645 17469 76860 87514 45922
71853 85401 00000 +++++ +++++

12177/10671/8024 kHz, 12-11, 1015/1025/1035 UTC

62988 63507 94096 11067 61273 90288 06245 70357 87097 49356
66861 77458 30885 50629 89472 94707 52837 12653 29580 88453
03913 61303 46910 84056 19580 92254 86507 15126 84750 89407
39625 71678 93338 16457 70321 76919 50897 23798 18732 47319
93750 37948 16929 15674 23069 25676 78319 21853 77326 50024
46519 00896 91569 60420 14631 23174 16942 84048 50872 66279
98903 10682 91492 23349 37576 88162 86907 77488 78649 70710
11997 97013 08307 87248 76495 31168 50571 21946 96427 86079
00000

38380 51617 55928 54272 85728 45625 02839 25826 91699 32397
00874 34819 20490 44220 42980 78574 96688 68852 67051 17043
47457 54185 47962 76720 40900 93852 94388 78503 44074 10992
36351 19151 49047 82335 14417 61048 40478 69819 06504 09961
03126 51899 53209 85461 92741 71765 67625 13724 18780 44634
40552 97363 12361 91310 77069 42018 77922 90209 25382 44357
52002 65022 83896 71198 17594 50210 97457 84428 47492 01524

78676 91416 75090 43723 15299 25594 16057 72699 49544 86902
89322 87081 00000 +++++

12177/10671/8024 kHz, 13-11, 1015/1025/1035 UTC

38984 14518 82556 36635 11655 10772 55979 02709 27725 74217
61626 37793 61125 49771 75428 53261 02294 32475 61821 92454
48773 89214 26103 11243 01761 10226 15729 03212 85803 76329
00203 17921 33829 52819 84288 45661 04691 45948 34195 67157
25422 82957 21441 91645 75389 01564 14089 31774 54518 59872
70020 88746 02799 02629 11960 46171 63239 44755 88911 96025
05471 58115 53723 45196 52183 72433 11440 76018 75573 26318
18155 59258 56012 29308 35027 42974 20097 20908 67169 65695
00290 37523 42085 67350 83321 23240 07339 96393 39562 45403
52164 36554 50522 00904 82668 01654 76699 24132 05355 71932
32934 32530 98620 70308 63477 70677 76934 02020 33958 38847
77385 06087 82417 16977 23265 92022 96629 19983 44408 60236
09869 45362 58941 29568 32323 99019 46160 20386 60344 10245
65191 66693 30714 71801 99161 55666 12113 66039 29524 18087
50992 62986 70259 18074 14025 01347 16626 15583 94321 88351
88143 00091 73608 79385 70510 18904 57549 23349 86126 48549
26398 84666 47920 82649 68170 77907 76164 34754 86523 75927
82968 79541 00534 77492 54130 80842 78547 45309 83042 79914
73309 50405 36337 42408 50546 83788 55951 87460 28192 21339
27313 47362 68450 52854 68322 31217 89869 11188 18824 91055
91630 62439 35253 13814 07229 43096 20147 87643 29731 55101
41205 15962 75816 54763 19591 77704 80755 96449 92155 57197
41553 17004 77275 92103 50406 71825 98994 12871 85693 58545
49151 72116 52666 89234 92177 87395 91034 97088 42272 45788
91637 88522 67614 43732 89379 76609 01321 60557 24627 56809
63827 89136 90246 10914 26382 72119 06481 50163 70344 17150
90833 33443 21966 89545 15173 21535 67351 05840 67222 53326
77280 76650 58638 54937 96584 72295 46848 17690 77754 09606
62859 05872 63484 83365 62201 80208 47815 90812 41204 48010
70592 22655 85795 75908 24904 19015 45009 26126 82198 13765
46377 02227 64760 15668 95418 15270 20242 99783 26383 06313
77933 07555 96466 86202 91455 79030 40655 78584 97566 65654
29416 77074 45770 97049 96397 52530 78412 00259 28344 71353
65955 94848 34394 97566 65654 29416 36976 82007 88525 13391
51460 97347 63710 01167 46774 41930 55884 54343 04161 36303
14444 28173 16272 00624 99722 97060 93770 56461 35749 37072
71659 27129 55669 71832 32481 22495 69543 30229 88620 19202
09188 89376 90864 72228 29750 01272 55420 18746 72724 26576
26584 60188 20065 23963 17236 33491 94108 68475 94356 07415
82986 97315 01749 82986 97315 01749 64923 96201 06523 37159
57511 80085 46959 25975 42464 47791 93058 58695 38950 03531
88407 00000 +++++ +++++

12177/10671/8024 kHz, 14-11, 1015/1025/1035 UTC

80494 99334 21846 43965 70435 71859 96034 19876 72135 44151
73526 94883 94479 38421 82739 63353 33718 21663 58468 18394
89410 16638 22379 08802 54782 00013 42138 94002 98094 16532
50430 81563 00365 89798 85677 31577 41540 49393 37559 53636
14005 94543 03160 58550 18223 44309 17053 57350 91068 45703
30826 09794 30992 13329 34018 81763 21848 99876 16378 68865
32371 44711 94414 03819 17680 47807 09673 97914 84580 83458
64099 75410 48902 09488 79792 15408 14422 57598 35158 42101
97423 21754 20809 33610 36165 46779 88736 12350 23818 53197
05392 04715 01437 13866 81223 59984 12598 55519 10019 89099
00000

66384 04684 87174 64744 58495 15746 12260 42150 35635 36233
13374 39241 01565 66366 37279 60512 96330 28975 98834 30872
63145 12080 77358 83122 49864 16921 99234 35719 04606 21356
48305 20814 23400 60508 16392 19964 27724 66246 90310 53552

15365 88798 78948 30711 03523 10975 48576 69572 52702 33121
91481 42003 48490 04640 51580 35579 30629 89073 90004 33655
96193 85988 86280 67869 86747 14620 84769 71181 37461 53651
96683 90673 84068 89108 92258 52045
52900 90077 00000 +++++ +++++ +++++

12177/10671/8024 kHz, 15-11, 1015/1025/1035 UTC

00000 +++++ +++++

12177/10671/8024 kHz, 18-11, 1015/1025/1035 UTC

49106 65602 72567 95658 06654 35449 54102 73717 93297 72586
70229 60746 31419 33044 96677 88301 18319 75957 67283 91357
32850 90489 77351 68872 56994 97461 60553 12035 35817 42877
25298 29858 24237 25527 61515 26845 94053 25868 53780 12376
99661 28350 61731 46528 25899 54400 53704 52009 66455 48227
04528 46891 06291 82653 93422 77828 06492 77146 62924 58459
15007 45255 24790 42663 51700 13619 23812 87375 41156 79747
95470 84630 91680 00765 78386 67546 43923 30291 67485 19903
37573 45655 18827 44042 69557 32633 42027 66735 42176 19889
41223 87745 24620 80311 90504 00738 76307 41436 54757 41249
05471 72124 91855 41397 61431 37720 97134 96004 84013 40831
76096 69851 58515 89954 56260 00719 49687 63120 74129 77917
13154 58731 98171 01005 07709 50817 73795 48355 56934 90851
01216 10283 33566 23348 82181 66401 65054 07415 96480 11920
83755 61447 94171 62535 70186 73157 14474 92639 62781 42121
67255 86506 32597 47032 38055 07161 46391 54855 02581 12605
66517 14051 61611 74100 61074 99080 32256 76186 22752 98363
56489 03124 19798 62880 12911 41449 27555 57603 42674 53339
14003 82952 25496 00451 77740 58461 66720 22947 61846 85821
81339 03384 92055 33531 85932 70142 12691 10296 34450 20105
18790 19393 58788 65256 07851 11182 00076 32898 99652 75945
41628 74161 97579 44247 79502 60508 89880 86998 91577 72914
14316 32424 91115 13407 34611 42103 75728 93659 02174 13279
07698 80320 01496 99638 86570 01774 02687 67717 99988 46002
69572 31152 63670 04265 96797 29946 86489 40252 74375 46940
21598 89422 03103 78685 89512 18199 09308 02888 84113 97716
32342 09632 97492 71813 83259 88552 24588 23941 98141 89162
33537 72690 34469 96500 12692 50619 84010 89304 30233 46066
00646 72892 67317 12645 66575 03938 10699 76095 45335 49322
15762 93188 95076 46263 75894 42373 40534 55898 59157 50840
27114 27508 98169 87708 05563 15582 44151 78007 20630 16891
21073 17147 02178 19775 40831 90567 82161 82827 65404 28248
85939 85152 26911 48766 71325 15400 41523 72602 13834 91750
78157 09362 61562 30057 67896 48611 08133 02302 65066 09025
57133 52585 95910 25504 76515 62820 55801 78989 66353 85313
40922 98618 88435 84439 25363 90950 31093 54576 19562 75917
07737 06499 71027 34210 12512 39423 93292 95767 81522 40874
34020 24078 33058 81581 18211 75959 85268 97571 27448 41520
74706 76666 01106 93981 24196 91555 70479 04055 33450 46642
61756 98546 90883 30842 28772 67903 30047 93533 01493 52359
79137 85829 61155 61389 77006 34383 78001 06147 54109 39886
72556 49583 01836 17469 86373 03926 78658 21186 73185 30205
26530 91421 00000 +++++ +++++ +++++

12177/10671/8024 kHz, 19-11, 1015/1025/1035 UTC

80494 99334 21846 43965 70435 71859 96034 19876 72135 44151
73526 94883 94479 38421 82739 63353 33718 21663 58468 18394
89410 16638 22379 08802 54782 00013 42138 94002 98094 16532
50430 81563 00365 89798 85677 31577 41540 49393 37559 53636
14005 94543 03160 58550 18223 44309 17053 57350 91068 45703
30826 09794 30992 13329 34018 81763 21848 99876 16378 68865
32371 44711 94414 03819 17680 47807 09673 97914 84580 83458
64099 75410 48902 09488 79792 15408 14422 57598 35158 42101
97423 21754 20809 33610 36165 46779 88736 12350 23818 53197

05392 04715 01437 13866 81223 59984 12598 55519 10019 92099
00000

66384 04684 87174 64744 58495 15746 12260 42150 35635 36233
13374 39241 01565 66366 37279 60512 96330 28975 98834 30872
63145 12080 77358 83122 49864 16921 99234 35719 04606 21356
48305 20814 23400 60508 16392 19964 27724 66246 90310 53552
15365 88798 78948 30711 03523 10975 48576 69572 52702 33121
91481 42003 48490 04640 51580 35579 30629 89073 90004 33655
96193 85988 86280 67869 86747 14620 84769 71181 37461 53651
96683 90673 84068 89108 92258 52045 52900 93077 00000 +++++
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12177/10671/8024 kHz, 20-11, 1015/1025/1035 UTC

98620 89341 74770 87625 38383 39251 77371 53699 73057 28982
81946 26773 42461 61309 95799 85536 25854 36605 16176 68137
48620 30004 34840 88851 34359 95623 77919 31021 38334 77517
79430 08450 23190 32059 11936 12443 62909 91433 22768 86678
85916 22939 49262 97098 93286 63763 11423 89010 12989 35949
05470 48574 76097 71213 46708 10881 25920 00326 35145 81799
95966 86715 42298 65774 17711 09011 42638 16770 44068 22193
38093 54555 99534 52044 49054 13497 92929 02591 70335 16064
53663 81216 15494 88226 77487 71144 97981 58941 92648 05966
22545 10896 82391 25908 85315 74722 24807 51205 27062 83846
35559 87520 40815 32172 25621 62329 48986 01785 07980 98236
12273 52865 16226 01643 29927 92990 19770 52196 38160 68027
47033 62482 27315 41783 52479 56948 55246 56622 88437 74750
80315 92226 67643 26224 62464 64681 27442 57639 05784 33093
31588 03962 41029 05897 70584 34277 71511 64076 46487 19581
30805 43452 53123 77626 25713 43248 87662 74501 62919 53110
54462 87635 82772 15772 47144 59921 48635 67551 19830 99632
65236 23864 83469 05838 24466 01954 88212 23979 02051 98002
77743 61323 53540 60836 26533 16962 83057 29390 95936 06046
83224 26138 70077 82948 69735 23663 57448 93043 58983 26559
69179 07780 62193 35854 09902 22749 94502 88142 42145 23423
22411 86604 10207 48262 98054 66115 34436 03867 53731 59620
11811 18897 55114 57968 84100 92269 36602 80387 58503 12835
67226 97795 93445 59363 20570 76130 83722 06392 47124 31883
06978 93094 72523 17027 17107 34046 70096 75536 95571 19528
81179 38663 96554 85083 81603 51176 46908 54991 17832 45747
86822 89351 61145 07667 62149 89478 53342 97073 04335 41275
42377 20906 58871 01292 31377 71729 48237 55137 89478 75660
80239 02948 97908 16555 37701 51595 29771 28650 10443 18318
86949 74859 55477 75461 42583 52887 96371 91031 62547 96376
97702 44722 04369 63257 75547 24126 17029 28482 29952 30811
90074 23360 10302 50940 25490 88644 49546 70135 30756 33592
28207 37265 56538 18149 54105 06847 27446 00486 68756 14745
39287 17045 16353 66865 21272 87292 36291 45520 86593 60368
65168 63155 19822 45819 59184 18132 74554 95595 72898 32244
79760 29514 55267 74664 78248 21356 48905 02000 45702 87804
03510 69150 63725 47396 39374 90653 45320 41682 21950 57210
36251 35785 33367 37070 40719 40536 51875 16962 44798 23380
75128 62275 36051 00242 48251 01158 42789 25534 82638 62228
41382 22497 76400 20592 05088 21060 72419 31844 92809 95407
14933 58745 01243 18440 90589 20266 28830 75320 64924 17681
24977 03285 50168 17394 22955 49913 65351 95198 79933 67046
74627 71649 72579 82529 14761 93229 21664 16981 47703 39009
44100 37763 99211 57484 55873 67354 69442 63270 74277 88295
26445 48353 92911 11910 18514 87577 27862 94447 00000 +++++

12177/10671/8024 kHz, 21-11, 1015/1025/1035 UTC

08215 69188 64666 71793 64542 80959 86969 64496 53815 55239
93553 51380 48173 77414 09770 26260 27023 71150 62126 37573
87013 67038 15271 42033 54071 81493 60242 14633 77163 04350

46178 75935 08493 18575 72665 22585 99809 00563 84927 71976
69512 74420 39024 57029 20253 18703 29266 31985 11700 49022
95019 75190 18180 24976 49093 99784 25864 54829 94893 08230
49187 96386 24542 51632 71205 95065 00000

93417 14617 31046 85686 48053 64114 82687 77454 38665 95863
33998 92435 83739 62230 21488 61594 55168 83000 20727 20961
98994 92862 02493 86111 76571 90933 99167 77918 62061 72032
79831 91760 57229 44368 57482 27370 09451 63350 76824 21523
43886 36199 56058 50739 45747 77038 81109 96194 53603 17169
75745 88026 49660 00205 96000 71220 57942 16759 22355 60267
86332 58367 48111 74780 73390 95340 87393 73246 25895 08228
51218 27126 58045 27576 65062 02455 68265 61691 26380 41167
14539 17061 25493 59304 74213 41146 78302 04308 99222 42227
44248 38585 02653 65981 27961 41529 37593 33491 88053 47180
54208 70364 01461 59728 45974 81651 56798 14024 21011 52260
75157 96111 00000 +++++ +++++ +++++

12177/10671/8024 kHz, 22-11, 1015/1025/1035 UTC

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12177/10671/8024 kHz, 25-11, 1015/1025/1035 UTC

69527 91386 18497 03486 02527 27594 24246 99074 30980 03953
84216 28390 17748 03100 28269 99112 68101 60742 56687 96426
01788 19727 79282 22298 68157 99440 31162 18048 77801 47741
01086 49921 49127 67576 33370 62328 93314 35518 89258 28443
86082 54359 78696 52866 99717 06998 98469 06012 93792 03765
37608 94931 88006 40402 36031 00242 65601 08873 07338 33863
80774 28189 61703 97234 68538 87450 89809 44718 80454 18270
93746 81852 94688 38791 75823 53169 73813 36466 21229 99241
68809 81797 35480 87656 92690 90221 22582 47606 12198 74320
14864 62779 30994 53562 90400 02234 62806 13741 38973 93953
17939 33310 62503 70764 51611 18809 20896 43301 47542 16542
59231 79716 35231 92730 77241 96805 64364 99299 27009 92260
84790 67500 49823 72705 05500 96552 88143 57241 31041 29491
33584 61146 98821 33409 96883 89454 65725 26284 10777 95076
17474 17574 01721 81164 99196 54763 91397 52398 90610 93063
13947 44884 74284 30442 59858 89361 70391 75165 82457 87391
36413 38058 27926 05220 55220 66648 74804 15010 59966 63402
93892 38121 69241 55223 64506 70127 30909 06408 08013 92261
98079 92253 24596 98971 85648 75486 44177 96279 80832 52720
27432 50630 06157 63112 77846 92909 58312 76426 50747 07331
71335 02662 70231 59874 77538 90464 89957 45958 64633 06493
58716 62039 52481 12922 76717 30829 37912 85287 53547 34806
81049 37845 03719 37718 31568 48636 40756 98763 18340 01451
55753 09130 50893 86870 91341 05587 06123 29584 47009 40821
98696 34153 76699 15185 58587 66432 64634 99574 64170 12811
90301 04097 04332 84484 18533 72225 68007 58922 75625 05143
84608 75742 97427 45931 63765 29153 60337 78323 07815 24181
31156 19694 95490 88841 96714 12966 60234 59463 59233 47140
11578 81336 08333 61123 73029 91892 05652 10538 34894 78579
42991 02221 45484 28634 59937 26072 89138 12944 31893 38961
24496 71168 64455 80369 81466 90321 55078 24463 40320 94003
07963 98269 41354 84454 13098 20668 98555 04639 25413 41851
15713 12526 04949 87983 28395 84773 04014 40703 20262 91990
12248 06187 87112 12768 95528 53448 47140 78667 89669 26566
20805 67355 34834 60518 28778 86069 61617 55325 81387 12602
64719 88175 58010 85993 25158 68229 99834 64117 66948 63786
64447 90352 59201 56503 15670 36518 99559 02348 47088 14268
39928 03982 62711 72134 40420 24255 63193 20397 62470 95504
11063 50976 37035 04332 73395 44527 68841 56568 65355 81938
62596 52097 43069 02404 82115 24225 19239 75267 78292 23295
99952 77823 46858 49225 66126 96267 01860 62661 48007 91967
75802 29425 66183 00266 82387 77954 37539 53983 02784 74425

69575 97421 00000 +++++ +++++ +++++

12177/10671/8024 kHz, 26-11, 1015/1025/1035 UTC

78860 10231 58676 59491 84553 80051 59774 51025 02810 26133
23445 32083 03560 16844 60161 73174 05043 46883 35874 41323
03789 80900 58865 78119 83591 92138 41709 53245 01930 88280
99264 98192 77266 41695 68636 49831 25663 66256 62052 98039
00000

76759 50634 22360 21879 94563 11575 80320 46221 30287 66790
72098 47198 63471 63571 57078 11353 49955 71713 12235 38573
39252 64145 04050 45430 09991 87900 12095 26817 96866 92597
40199 55576 07526 08634 76167 24804 52836 92272 85959 62516
38967 79811 53284 73368 94731 18021 00542 87106 32611 63037
52048 18453 66918 64907 25486 68101 37514 79954 62513 19509
12546 78174 34468 11184 68606 37833 84113 89142 71791 44455
89351 69233 08061 36404 59846 64012 36354 64226 02498 53852
62909 55949 16698 06982 60193 05530 05313 78137 78911 26632
12324 40513 26521 38925 23062 30704 10672 79086 87982 11319
71047 53704 55913 80961 48004 76253 27709 86258 61473 55351
66252 15633 98551 26463 23748 79489 33225 44255 72230 06531
26652 77776 48235 10862 81455 75667 47570 09583 48457 93566
31122 99131 00000 +++++ +++++ +++++

12177/10671/8024 kHz, 27-11, 1015/1025/1035 UTC

57719 73843 17058 96614 89383 40976 26749 65106 81524 97651
27795 47642 25554 98669 57840 25678 69937 67288 12845 52338
21872 22372 76550 68472 71323 17343 09023 14125 92122 64400
61461 71351 99797 42421 09476 99318 70824 11992 21994 47632
53003 86011 08015 58814 21625 29292 08372 95892 61133 85604
24704 56011 76955 55600 02831 56025 67205 74054 12693 00996
08926 59859 92080 71542 38582 37205 46304 90969 31470 51400
21017 58128 09747 27748 90369 56928 33753 46932 27681 78449
65329 35345 50817 16594 44809 93786 59468 23203 00372 12994
06504 33592 29449 49409 70596 98425 46862 59648 22306 82882
15402 17098 00807 19045 51499 59078 43449 22441 51718 38003
35334 08690 19721 74993 71102 71182 98416 39362 46111 05737
36974 02411 19204 93150 47381 38995 14233 75621 30243 75265
52557 87937 74510 06047 33667 29393 60817 30283 06159 87370
23118 77980 96213 48513 48319 27098 85791 58438 18578 33815
57717 15917 25974 24616 49852 12472 14225 23624 85528 53314
27139 13634 72445 20574 68501 54269 87211 64745 03068 05707
87714 35298 53359 31403 20511 86385 71944 78266 15429 18581
93902 57703 84557 42600 99146 75984 67821 75917 39293 87365
92329 08248 08778 68394 37672 96794 64891 36851 24368 77238
26434 63755 67644 01370 05662 51873 63732 37333 53231 79169
00873 93397 20816 30641 12215 51203 71079 66953 12798 19415
89712 03354 87800 43731 79200 97249 24250 34168 39010 67939
03376 95570 61908 96895 95790 72289 01059 82052 26695 42945
87627 44543 03292 26234 03552 11308 21586 83705 39171 22023
94777 30451 90423 33781 70413 89635 75259 21964 28505 51820
74000 00746 77787 25005 23297 11659 92306 86328 18395 53667
55530 71374 03392 53181 04168 62000 54158 97445 88879 58651
83635 79754 94070 48075 24176 29906 83955 02393 66621 28366
67075 70443 60815 27542 96467 47363 07218 28639 47658 33317
94328 87507 41680 17334 61595 47944 05295 47168 92498 25860
85615 71143 67497 92771 61300 62901 31534 32049 17526 64999
55763 66345 76911 12290 98222 79664 03594 21032 93103 82490
22625 54650 23331 93423 21899 02102 56123 35753 28781 29773
46244 72415 78628 92851 36594 27763 17402 17105 10874 69591
05537 87012 77976 49855 15277 01177 92802 27511 38655 80960
43198 21934 48298 43283 57682 70329 78257 73516 13672 87591
17045 59411 50881 52042 30064 72003 19574 65477 53622 04423
18386 60978 27711 04554 01363 56909 59747 62482 58947 80541

36454 38660 02556 09748 26081 43736 07479 06200 38133 05980
93750 38507 32818 87243 49708 18732 97380 33393 27902 00727
31522 70155 68069 01413 00000 +++++ +++++

12177/10671/8024 kHz, 28-11, 1015/1025/1035 UTC

86909 53572 77707 25461 89478 10169 13324 36145 53096 15065
51060 87104 99250 02542 71477 01914 24706 25826 62754 06699
61234 24516 01568 53271 85059 40540 76641 55647 93190 68595
84671 88382 88844 51983 53283 20156 43132 59810 70745 81051
25204 06455 27098 86969 18039 99271 96398 69593 62069 25452
14765 85372 93818 13976 33912 01944 71751 33607 54864 85425
06516 12857 71519 37036 37769 92859 78782 52459 24773 49095
24923 02409 42943 42894 12860 57814 03546 88669 80070 08080
38726 47810 11786 02083 00000

78108 94630 28706 85908 78648 63891 62399 64280 84776 89623
85160 41853 57770 11778 39590 20855 29934 72721 16693 27192
60166 88786 82390 86733 34142 44971 19749 80218 57572 54963
97870 31450 15965 53691 03382 08493 99318 14576 95452 42536
15214 08682 70299 94120 38697 47947 46085 21422 72439 79685
04176 30269 15576 24542 47678 10585 64672 75096 63201 88947
95269 97300 96779 51945 97416 01928 79890 20026 63658 78232
66507 76517 52891 07013 67131 81512 78547 95241 90724 25307
94521 99475 30498 01073 77293 30219 54476 01460 27683 54435
86798 68806 40665 38379 90662 53658 16693 97968 88882 61267
12962 48842 82971 90773 58052 03105 00000 +++++

12177/10671/8024 kHz, 29-11, 1015/1025/1035 UTC

00000 +++++ +++++

Pacific schedules

13370/11538/10614 kHz, 01-11, 0230/0240/0250 UTC

00000 +++++ +++++

4-11: Unity Day. No transmissions

13370/11538/10614 kHz, 05-11, 0230/0240/0250 UTC

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13370/11538/10614 kHz, 06-11/07-11, 0230/0240/0250 UTC

08871 14158 61977 90737 21543 29055 51468 99835 08357 35284
71058 78190 93059 78025 53851 02323 88301 45800 43795 73693
84962 85846 16311 40577 55241 88339 43155 41116 61712 00403
06203 91017 89519 55834 89852 64303 43903 31499 06730 40571
80251 66318 36372 17195 58849 03791 81599 09906 41532 43987
72238 90190 72418 15961 70911 32934 09903 06498 60543 72769
02123 06156 18315 92543 23056 58525 05716 92355 11453 23656
29403 12598 79797 91567 52549 09438 85461 06813 61361 06176
81261 89999 16472 68931 87600 67227 43868 80063 53367 43377
45072 07801 57807 80176 31240 95493 50530 64994 10872 18926
31845 81294 85831 85143 40626 16685 35347 71215 41878 69504
92687 26374 71198 39880 44206 85978 98318 16196 05433 70721
16921 92910 53907 69539 52906 80655 23431 29641 08309 94562
89439 02107 83045 31746 00175 16496 41680 73883 33339 82887
17395 75835 82936 44805 70363 26234 05966 31457 42696 90979
21150 00000 00000 00000 00000 00000 00000 00000 00000 00000

68516 69989 01867 32490 10075 86760 71140 08588 52387 73354
08859 68878 52069 61653 93454 75614 45855 37647 41470 19495
02153 92963 33968 95462 18794 07357 97729 52427 90407 79345
27167 46610 93866 47170 57903 53176 65232 67286 27950 15867
66644 42554 87416 39302 66585 17321 42691 53646 81970 81594
46038 06328 55477 51483 66537 60491 66580 18084 03309 04884

99707 82029 26966 04846 17966 15853 60220 49109 15866 21388
33590 72078 49495 74358 77143 56295 67566 73378 34212 44757
91780 35520 08014 17792 19945 05667 77129 14170 50289 71806
40755 01146 50398 03481 79687 23103 19220 55567 43960 83509
15577 04569 03086 39859 51614 09626 19825 16283 74629 15410
33434 63534 85721 39108 63321 21013 68690 08675 69052 60539
27625 44535 27633 16543 56627 01941 14030 32375 90098 16153
95831 77411 07030 17648 78028 14655 87732 09524 58807 23500
46452 24311 82336 07377 88294 02356 99448 40931 63907 58982
72176 36451 20351 32598 83072 34217 71605 30961 35254 46467
37131 17766 54103 09659 21950 06795 26568 24724 36648 55535
39001 89994 80777 76290 99463 56498 38061 05575 55446 60297
22180 00000 00000 +++++ +++++

13370/11538/10614 kHz, 08-11, 0230/0240/0250 UTC

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13370/11538/10614 kHz, 11-11, 0230/0240/0250 UTC

13370/13370/11538/10614 kHz, 11-11, 0230/0240/0243/0250 UTC

82657 19703 22647 83181 26178 24060 59342 46986 75654 67752
79577 58107 86356 23594 04722 84885 82479 00036 89406 37374
73738 17895 73916 73022 02530 39909 00733 23157 95097 20321
31178 19957 15141 66660 23098 28599 43298 30930 55511 14265
30952 72358 11170 98708 01784 58942 52975 86051 99524 95928
55166 62511 05327 26451 75242 99734 73210 62493 77539 16444
57011 53380 44403 78059 27267 43960 35902 39006 01485 23700
84013 57378 36226 80851 32212 36658 54443 32886 56412 74170
06509 25396 28196 20967 88375 16629 06262 82818 65296 89861
67032 17010 74557 60795 10363 04627 05645 72145 01283 03016
81292 92642 33707 08102 87850 62602 27067 81269 28402 53274
91777 20470 97072 32138 24498 80260 97971 51355 19109 70454
57195 01543 04356 88074 01339 98071 44087 62293 00946 92073
61023 17050 02338 23339 70008 81023 96263 57297 31661 99670
96794 73268 62381 28991 28919 96170 61638 15720 48261 88871
42483 93635 41373 47376 76216 50671 80016 66027 87162 46507
27903 64915 58471 85344 23301 96687 34896 73541 85964 74933
33480 16800 21815 91342 98092 36586 23812 13817 58746 10487
92456 82729 81645 66169 24361 47518 20883 83644 42318 10792
07742 85525 65313 72151 38537 19948 41922 88895 46914 65870
95514 95821 71575 15408 54719 51284 55344 12921 67579 01716
36512 55517 22830 81792 18420 84673 26754 92432 28186 23653
09032 23809 00541 40421 56035 15576 47692 40722 99005 71484
01167 21033 77538 70583 36561 36099 35830 42191 17133 60473
10112 96817 17190 45578 70716 30239 11193 28579 83206 42900
39521 65167 90008 41834 86833 05079 06992 17297 33971 75339
58419 11287 69322 84867 98723 20154 70610 77130 94526 98475
93015 14535 65362 56386 24595 99247 06514 67559 94913 60130
42436 30011 47844 60468 84162 46934 14462 06194 89164 19733
46971 59285 47092 70449 99609 86024 39819 35781 67461 94810
49256 99861 19114 43207 11345 57997 84105 18920 39684 28554
81091 24384 67225 55169 97674 19652 79468 66490 57826 03277
37601 85615 37852 35859 15015 06430 16823 35966 95637 79024
72415 03101 07525 71386 58111 47406 90137 99539 22663 30798
18748 43339 57802 49207 34416 90091 85093 10627 52967 73195
17892 88649 51411 97990 59336 56170 55241 72000 22315 28966
75052 23361 00000 00000 +++++ +++++

13370/11538/10614 kHz, 13-11, 0230/0240/0250 UTC

_____ 42683 07314 39028 68313
20932 33048 54109 38600 65854 _____ 03181 10506
17577 62418 45311 34474 85144 44651 07241 41992 32323 29547
82128 99327 27744 21775 75818 88833 67056 36466 23396 37177
25311 04897 36417 81904 73502 _____ 95222 58205
55515 74223 64328 51842 44963 66902 69606 65897 94874 20781

97325 49701 97822 44506 07650 93705 05178 05129 65836 39203
05484 80736 14150 81670 19903 _____ 69159 75741
64318 18165 30432 72970 46872 23443 71619 14120 34841 05166
43422 58143 25216 _____ 41877 44776 93420 _____
_____ 24971 95603 81117 57003 35732 35597 03500 38309
75878 41519 84588 28778 91537 27291 05429 65834 05834 67595
69702 94231 45255 23452 00357 92931 12786 05562 05071 _____
_____ 62310 37178
32827 81895 27765 16845 _____ 78042 81782 75436
67223 12514 39609 47682 22821 56391 _____ 78449
02640 02062 _____ 28336 15546 46285 34551 78879
92105 23601 70129 84201 67494 02537 65317 15311 62068 86393
19282 56488 14468 29771 86540 62918 88607 66960 87653 57880
78292 29104 63753 49871 08123 42308 35872 69454 53991 23859
54976 70224 31650 19018 _____ 44726 35515 84938
65011 33827 62836 21036 45308 95574 29040 20151 85181 35467
26347 71979 51151 01313 44846 57207 72899 47748 _____
_____ 36403 28451 49727 01535 13896 73295 38165 26416 34855
76376 22629 82211 22137 98917 88940 96545 81446 62211 82406
65167 12536 _____ 84175 28912 28650 97377 65079
18168 52808 78564 27977 92360 96818 36487 _____
76253 09680 09167 32269 20582 73430 55560 87876 44057 54220
57722 95920 95258 89102 46890 66246 78678 12104 25511 98787
95510 51565 22656 00391 56425 38111 02655 73744 85015 15464
_____ 53329
02761 76048 63803 88145 56183 46411 64652 00980 81173 64820
70762 35724 45314 84780 02686 35162 37596 01609 63846 29558
10109 54648 20360 59543 11246 86997 68464 96995 08833 54958
50482 28597 _____ 71741 42775 56024 63954 53510
23146 67362 27349 40375 _____ 75328 40558 48584
64006 80129 88542 _____ 61416 89563 70339 03914
92869 30968 52642 64790 08787 98573 83407 40584 63902 79814
41660 _____ 84517 46468 32305 _____
24390 00000 00000 +++++ +++++ +++++

13370/11538/10614 kHz, 14-11, 0230/0240/0250 UTC

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13370/11538/10614 kHz, 15-11, 0230/0240/0250 UTC

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13370/13370/11538/10614 kHz, 18-11, 0230/0240/0243/0250 UTC

13370/11538 kHz, 19-11, 0230/0240 UTC. Not heard

10614 kHz, 19-11, 0252 UTC

95807 20555 14710 85852 98472 90952 49502 94201 58538 14821
46186 62686 17988 55704 61263 53775 63951 98156 37010 51376
53628 91537 11987 82161 64700 20802 68767 22940 75909 28181
36055 79993 07513 34167 87382 51330 76275 31259 03579 07777
44713 48898 91201 53866 69249 13031 74100 54438 76996 48742
00330 37911 25829 99386 31560 12136 27452 60666 07218 53803
38137 53086 00503 57309 46834 81223 08497 54036 15319 53254
43541 37986 50091 55870 18066 58687 10691 31121 40069 67338
84132 34332 61425 27098 80137 62014 46217 23485 26857 32725
51266 35802 71764 13602 36067 55545 17423 17917 44301 62709
46791 50383 24113 95949 17776 98650 79355 77525 31703 54434
68970 78985 05415 92706 96702 38456 01650 42396 58337 65608
97424 47023 38644 95096 95089 38719 75208 74496 05742 14060
31354 97648 59694 05154 45331 19350 23682 84418 47959 12331
29493 26494 65919 52453 43713 75710 52875 43067 33272 92571
15615 14472 06477 77670 27397 59407 34223 56492 45697 90515
81064 53525 76529 30717 00842 89133 52544 72433 76539 97613
17076 66597 09077 89885 31343 27378 84708 49248 46974 63574
25180 00000 00000 00000 00000 00000 00000 00000 00000 00000

94808 60955 14389 84340 19418 03465 02284 90685 36198 66050
75710 95763 28558 48926 26636 88876 65344 83026 18195 03052
73494 86999 38442 27566 19381 67675 71393 06883 22274 81159
71284 55716 48389 96769 50995 44882 58916 30993 20566 37651
10512 43642 36756 81266 31655 13415 49568 83331 23324 35027
56683 27745 57431 05126 01753 09876 71444 89144 77460 95665
82637 86322 19321 34337 70408 35036 01129 79414 00105 25662
68012 97723 86782 13149 68017 71067 22352 46469 68164 20273
14532 57175 65921 06281 11069 74199 32014 87977 07637 57136
45533 41449 62869 65149 07255 70354 68961 03720 42123 62095
51272 16486 26838 65473 95369 13863 03466 22526 24953 57112
65031 00225 79093 37591 24021 16724 62228 20822 99722 01847
65348 46101 85365 80500 81805 99315 80971 80699 66202 01101
02872 24894 05769 77505 05819 84285 30653 05393 78635 00816
02825 49675 99335 06524 71194 34710 60657 94949 27792 16904
01936 24276 46031 50801 08273 56900 97345 65812 62921 65116
98350 95770 63830 57594 62009 28511 40254 06357 51238 67658
30624 78923 58396 23806 06808 05321 59084 77280 57068 34647
13703 79669 62274 60866 15200 86313 27133 22540 06448 36942
52113 06160 15687 26632 57019 07790 83468 34300 92165 32696
26200 00000 00000 +++++ +++++ +++++

13370/11538/10614 kHz, 20-11/21-11, 0230/0240/0250 UTC

64466 06379 03217 67157 27524 67272 53565 37647 20497 68657
12529 39827 78106 11888 97944 08059 51796 00151 38550 80475
98869 55200 86314 52508 78106 11888 97944 80039 04753 00517
70342 49508 95645 03500 81651 57074 33811 22071 43592 64059
14404 49748 87497 20840 32930 57211 07461 76385 01702 18296
09070 15635 05444 31794 37128 91884 31998 18732 80830 46387
39069 99831 79804 32345 42937 82839 79482 85483 40083 84391
09218 08401 97660 76129 81591 60862 73754 29740 36359 73249
53358 40603 77447 25341 11020 34747 76472 57606 36073 68784
41185 07213 81417 17531 72300 85920 21758 08987 57149 42072
32265 61359 73572 73832 23577 01841 02516 85907 94088 71793
72748 06887 85463 48065 86152 09435 52304 35091 97011 00492
81922 07493 43743 73684 25146 07851 56511 41132 24088 29340
89150 86835 47845 37915 48852 08829 72023 13736 22033 42302
63062 16515 19840 80849 53279 04489 91714 38071 17567 61671
80471 16671 87698 13116 17302 77285 65162 32838 80176 24188
18470 74112 64047 50084 75872 76809 36313 07177 49432 31480
75972 96683 51366 04860 19906 94003 88628 56491 64728 51714
46638 01146 97639 47587 98114 96725 54719 69810 97941 62355
27190 00000 00000 00000 00000 00000 00000 00000 00000 00000

32303 11868 97906 55545 37721 27332 38116 76005 61987 82990
10601 22187 75644 84850 86877 34071 65587 77317 13663 43648
58834 05815 44698 27817 55776 26757 09405 45367 83827 19585
91776 25229 07436 80532 17973 98177 55367 02819 76040 89192
51218 72956 16202 12638 58088 37864 05144 37463 73348 22456
32746 14622 34445 02418 94701 83868 21677 61841 99435 02152
68886 90412 72790 60771 17988 99833 58898 83487 78292 64175
40683 22784 76550 13838 28427 96458 08651 37818 89844 31728
28926 73962 20096 09052 37984 91891 75175 22841 55021 98297
17128 01250 85534 19282 20096 09052 37984 39438 06511 28112
27189 02358 24315 25644 19807 02252 67867 64115 17163 21369
61771 08307 27034 92908 18570 28734 15926 94098 22925 16257
50912 99151 15106 93284 24384 46757 47230 88743 97648 01822
10701 69003 24310 16132 58273 41950 39374 17630 69180 76386
25019 82987 30773 03957 88949 73178 35089 95774 16304 36712
28150 00000 00000 +++++

13370 kHz, 22-11, 0230 UTC

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13370/11538/11538/10614 kHz, 25-11, 0230/0243/0250/0252 UTC
13370/11538/10614 kHz, 26-11, 0230/0240/0250 UTC (0240z transmitter issues)
69920 52293 38446 83853 25045 31471 39514 52099 65849 58667
17829 87655 25170 71083 99507 96673 86577 25615 39221 78461
51366 27534 32345 29990 79854 30750 85022 39955 80439 76840
78072 52077 44850 65043 85686 02330 53018 70390 34846 59773
96025 52167 16399 25698 90548 19907 83738 70747 83248 49074
00010 14729 68536 63656 19794 78772 68158 27833 16207 64554
46036 13911 89332 40250 56789 38721 16954 37915 51398 85658
33502 91982 88427 54552 48164 73558 24256 06563 38089 00201
80740 96269 77631 25886 13772 08177 89566 40829 31135 39777
29212 35855 33129 98402 37404 11017 74377 04026 23252 33126
70269 29101 00000 00000 +++++

13370/11538/10614 kHz, 27-11/28-11, 0230/0240/0250 UTC. (28-11 transmitter issues)
03392 00194 48803 05589 36965 49746 11539 26866 44906 15117
56067 84665 43569 26193 47423 57158 63823 12394 83070 58509
85641 94367 45127 68702 30994 67182 10090 50968 94718 73472
08284 17744 18082 89948 50195 31109 34691 75736 61893 48623
43461 55960 96714 50523 88326 39025 15411 09199 49364 91024
51939 86886 75046 15715 07082 72533 10281 13490 37089 93754
99945 17806 29527 64820 72604 32477 83521 56626 34069 18292
36581 99563 25535 02381 05193 55244 25932 08777 31374 18008
03223 33605 52368 32150 44296 13339 35673 35816 18172 59558
46586 67487 52191 58651 40463 96003 25882 59896 96863 60060
12189 00351 37786 30103 00000 00000 +++++ +++++

13370/11538/10614 kHz, 29-11, 0230/0240/0250 UTC. Transmitter issues
00000 +++++ +++++ Transmitter issues

F02 – Russian domestic net

Mode: MFSK-4/150Bd/4000Hz
20057 kHz, 14-11, 0652 UTC Tests at 0651 and 0652z
20057 kHz, 21-11, 0650 UTC Test
20057 kHz, 28-11, 0651 UTC Test
20057 kHz, 28-11, 0651 UTC Test

F06

Link 00000

14432/12209/10271 kHz, 01-11, 0900/0915/0930 UTC
11100 00000 94563 31006 00039 93562 34782 00000

13396/11123/9089 kHz, 01-11, 1000/1015/1030 UTC
11100 00000 12584 31004 00049 10578 23780 42317 00000

7954/5452/4035 kHz, 01-11, 1400/1415/1430 UTC
11100 00000 12584 31004 00049 10578 23780 42317 00000

12208/10191/8014 kHz, 04-11/05-11, 0800/0810/0820 UTC
11100 00000 53194 02061 03339
46640 57310 01456 17693 09060 05024 46514 17522 91343 84360
44039 15492 63693 12430 85013 68748 97951 53978 95897 98128
16054 82428 37514 51386 49909 98027 89597 94642 42398 51577
63159 42991 44166 47159 07883 66209 85908 22306 06719 30498
30829 29049 74882 62194 36963 64286 05425 44402 84055 22897
28578 82456 44665 72052 77057 99189 04210 70160 74507 45905

59612 78863 89280 40019 51254 41554 20733 65301 07919 26822
10229 95645 09401 60287 94044 28317 96493 93243 40342 37606
83010 81559 37427 84834 49561 73271 25452 45645 23739 28300
88769 40507 76433 18742 51118 79396 88936 83159 40824 56558
70537 33308 18214 56314 31297 36756 82419 55839 39683 23801
99762 35849 19756 92163 20919 35133 67593 07849 79023 09879
91638 25657 85935 83710 06670 77743 68825 99392 36058 03701
14288 08132 02024 20560 12157 57412 08565 56194 16217 63304
46745 94520 63998 78180 77043 05965 22840 89785 68427 61614
54410 12584 98863 54504 14869 57338 46939 76462 32869 89838
29277 23966 32566 14736 63450 31437 93850 45412 61064 55409
66956 45816 80704 58027 83669 55213 95436 63283 32290 31786
54542 84456 88562 76013 44182 46177 19749 19777 76672 49552
04027 92127 63063 53808 32415 97647 48701 72858 85402 68349
16470 10266 01474 75043 87398 81006 79712 09124 73312 93501
83679 70694 61227 90329 38744 23982 34172 71073 40064 05975
58114 45733 13391 99217 89700 92138 95901 04708 84472 15811
29233 75819 10268 35693 81912 99215 95476 44209 43374 33649
66859 15064 56733 42630 56587 57247 82530 81869 83225 38655
10618 27444 36320 27786 62365 55627 19282 26936 50406 10316
30274 95338 88072 18984 85754 85683 65733 43125 16402 42446
36215 74088 90078 35479 76487 10277 41536 27288 17810 76615
13549 97443 61523 72257 39158 72552 22666 57438 19718 35236
68622 15437 78427 10552 44966 50563 94042 53291 05706 08127
44449 84593 90107 27307 14785 51315 13292 62880 49802 06592
62783 36724 55157 35025 18209 05052 77310 70939 36322 52294
16726 83141 68555 47599 54066 24622 03272 24843 94054 70632
49914 61331 00000

12208/10191/8014 kHz, 11-11/12-11, 0800/0810/0820 UTC

11100 00000 27659 08062 00959
89442 72802 23759 90682 17662 97699 65210 72488 48176 01330
56914 90086 88105 43386 92827 65681 85558 24843 54942 69844
71500 66021 47380 10769 99756 75384 84114 91582 27358 19990
84974 09177 02396 33539 59657 92962 51594 22964 84401 07018
84768 59487 01030 64043 58370 65084 93040 24577 65299 30309
18440 79898 43176 24387 04001 42059 18254 83542 30627 89485
27167 88483 64527 41579 83698 66982 13875 60763 82749 82493
15643 05405 58713 94741 82296 82056 40418 03223 63050 70447
69852 09550 99347 19675 76839 59589 79280 39008 26856 51311
20607 31780 84188 62093 00000

12208/10191/8014 kHz, 18-11/19-11, 0800/0810/0820 UTC

11100 00000 87513 15063 01039
98507 27285 41494 28649 92343 12368 54932 78420 66523 71876
05589 47579 43148 66489 22718 86661 71267 98263 75663 12677
62369 31844 98660 26851 47847 25537 64947 78947 69371 26930
83636 45367 38115 12759 17775 13196 23759 77693 47034 87399
59221 01739 23463 63357 72053 50935 93748 31905 78421 91052
86417 09091 00631 18952 87417 07825 94126 41319 52509 93609
94893 55440 29921 91541 23214 11724 91685 36769 04704 62642
97116 85592 94576 27791 36839 29402 16063 29745 30836 78628
48931 80406 78926 08906 29042 22527 87126 86625 44872 56093
18332 16077 41957 04261 40743 75347 71173 98532 72490 33196
41807 63101 00000

12208/10191/8014 kHz, 25-11/26-11, 0800/0810/0820 UTC

11100 00000 73456 22064 01279
90255 54573 62692 68385 09564 40167 47547 35182 46687 94134
22323 49667 01743 80515 99481 10460 24343 04961 70238 63449
68029 30665 02990 87701 88560 13546 37936 62326 46982 61339
01337 31481 03416 46316 87824 09716 12518 26299 84231 94829
56523 53657 33347 80440 76839 76993 61064 85445 90095 65180
15341 42566 99617 08457 90404 13161 38244 76253 34663 20492

03422 36456 65736 18646 70536 65769 41053 39276 95393 05891
57456 83373 41801 45170 78249 50234 95185 30442 11115 20832
48180 38723 85358 37765 69131 63467 01903 48979 89435 95042
54471 07442 70682 00154 45403 43962 37503 29862 44532 55346
87087 10914 64574 75070 11297 00058 51451 18657 92315 06034
12998 20951 57766 08927 34478 07480 06244 31573 54368 67070
39195 42703 98813 17941 60081 64125 00000

9481/7337/5089 kHz, 14-11, 1700/1715/1730 UTC

11100 00000 62154 13053 00049 45214 23142 98547 00000

5089/7337/9481 kHz, 19-11, 0800/0810/0820 UTC

11100 00000 46182 19057 02599
96153 25071 30592 61812 55728 38156 58305 42973 30293 33573
42395 68665 36032 04032 80371 71230 33655 23081 64950 14126
14845 96077 32657 03689 04811 91723 15263 15054 35650 27609
61235 68175 70192 08191 19401 14879 81024 38657 02003 22892
14371 63102 69334 67778 93535 00461 03147 68724 41574 76626
61015 29109 27893 76207 28847 67794 68464 62344 13720 52082
34341 38028 44245 68263 48158 47369 70631 90700 73313 40235
81650 35390 25505 48712 80676 08930 61328 48817 88002 88834
23605 05902 61610 96136 48137 27184 53582 46211 61584 69849
44353 88759 25125 78152 21973 72893 03623 47964 98578 98247
64955 42193 81268 38072 39220 05527 39545 45232 92472 51922
36540 77055 94723 23298 16186 99962 86846 42842 63541 59825
76102 11395 80441 28981 14973 20333 43672 65843 42969 79399
37849 48056 96124 82899 80190 65106 13853 62732 79375 81360
97844 01658 95669 05445 02722 05267 94505 26902 63097 56079
10713 06086 86762 98197 65575 28201 68667 25984 03913 57452
05396 75156 43362 52222 14807 39782 53062 27221 90553 63579
03915 73553 46135 78967 57615 72623 28203 92324 86644 64834
03785 38855 42399 59003 51120 55540 13660 93440 08804 45580
42574 84622 62910 32783 90349 24406 76800 29334 69842 11711
93284 65378 87222 29610 63843 53255 63606 68998 15416 67379
41233 94916 44299 13933 90170 09094 04332 68325 75768 17680
12241 42825 73322 82180 75729 51793 08907 79332 85281 56713
10224 24089 72876 78489 61847 14591 80558 59061 07050 10040
93563 45773 63391 77417 17681 96938 44277 67997 05538 32020
03649 09571 61504 74894 46015 25343 79894 57257 00000

5089/7337/9481 kHz, 27-11, 0710/0725/0740 UTC, F06a

File 04463 (2013 bytes, binary contents) interruptions in modulation

Link 09501 – Pacific schedules

17532/16351/14428 kHz, 01-11, 0100/0110/0120 UTC

1 block, 1 msg, starting at block #1 (malformed, empty transmission)

4-11: Unity Day holiday. No transmissions

17532/17532/16351/14428 kHz, 01-11, 0100/0110/0113/0120 UTC

09501 00000 05125 00049 00000 00000 00000 00000

F06a: 17532 kHz, 06-11, 0102 UTC

F06a: 17532/16351/14428 kHz, 07-11, 0100/0115/0130 UTC

File ZFD_35 (1536 bytes) empty text header

Again, the small text section at the beginning of the file, which normally contains a 5-group header, was left empty this time. (PY)

17532/16351/14428 kHz, 08-11, 0100/0110/0120 UTC

1 block, 1 msg, starting at block #1 (malformed, empty transmission)

17532 kHz, 11-11/12-11, 0100 UTC

11100 09501 00000 11098 03439
58604 31969 86157 84280 87578 76387 51590 56179 10869 12513
33996 94181 16220 43198 43316 01401 61157 40917 41112 56606
69396 48537 38185 71108 58984 38789 85661 12920 06870 55860
76721 84139 79583 87557 01155 62503 84721 41472 19941 43026
22921 23588 52037 40680 45001 42767 90557 40052 43978 89552
90533 02899 36624 62723 95447 69560 14268 42043 94724 15158
67520 30640 29360 46504 14612 15443 87890 50690 88033 19136
59876 31253 59163 42041 39093 92892 05571 17388 93621 60648
50681 28399 45013 44500 30497 60624 23728 85305 67050 87971
93033 43024 53286 15865 58542 13171 79058 29969 05582 82422
52921 23917 31589 59326 99418 04479 65707 41039 36538 97613
92779 02044 63041 03831 23923 15775 10329 76310 80874 45088
38560 20213 86291 62522 81686 36621 77196 86274 71103 59541
83757 42845 92604 59416 40585 92271 56319 11575 22736 76905
84328 53062 23614 79656 45645 76285 16949 02647 93247 32913
70049 02218 82838 46471 00509 41219 78049 57055 93560 44515
71742 46627 22258 68663 78117 18297 37681 21679 75313 28062
21349 93839 03176 92411 17021 85465 45894 20261 84087 42604
54190 42629 39726 36565 86737 38510 82013 48242 75517 80379
11188 43154 44779 47758 91237 48147 38304 82286 19009 65698
34659 82735 93028 86749 55128 63403 99209 88013 93999 24321
55650 24697 25909 06714 83690 54562 69924 32159 97442 54282
15046 48866 28944 14014 36834 33528 31163 21128 59821 22172
26012 69047 45429 68456 89569 52109 10049 52843 91701 32406
02986 91089 32258 89538 98968 15488 41044 89205 84874 27307
33746 31594 45401 43851 41004 65481 77336 88591 52812 78999
87141 97805 45443 03000 51508 42145 83077 87951 45608 86596
11329 40311 68691 37253 84846 29304 21745 48334 96196 00053
16881 87906 98188 53992 23163 85730 36860 82504 78532 11668
37277 64717 22546 58100 09373 65396 29592 24785 65973 93874
47294 29593 70238 09957 69766 93561 54664 87730 00426 73696
78872 73224 84044 41974 18346 96855 12723 33967 01313 26597
35476 15537 35962 72802 26130 41032 95179 80638 89190 01423
50988 71038 08405 85824 75887 16138 67672 04827 53269 60119
99014 98341 00000

F06a: 17532 kHz, 13-11, 0100 UTC

File ZFD_35 (1536 bytes). header: 44400 09501 00000 13036 00009

Wrong #35 message serial number in the filename, it should be #36 like in the 5-group header.

17532/16351/14428 kHz, 14-11, 0100/0110/0120 UTC

1 block, 1 msg, starting at block #3 (malformed, empty transmission)

17532 kHz, 15-11, 0100 UTC. Not heard**16351/14428 kHz, 15-11, 0100/0120 UTC**

11100 09501 00000 15043 00049 00000 00000 00000 00000

17532 kHz, 18-11/19-11, 0100 UTC

11100 09501 00000 18099 01729
02234 70399 49708 84009 95972 41487 39672 19247 63207 52738
70426 41113 91052 74657 44179 84066 43856 64313 97901 66142
52695 56562 78226 57190 25285 57335 26592 98370 12229 18652
73089 65114 90559 00064 62432 90725 50500 46215 60490 92812
96384 35199 14834 69748 97678 77404 67713 59322 51034 69537
44921 76805 39312 33509 68971 74580 98528 94866 70026 90551
28629 80474 93025 77509 09067 40111 24432 30638 05093 21682
87052 55354 75707 54737 76360 42672 19212 21969 36759 44266
17294 23396 01220 64433 63587 62901 42749 11140 87637 11826
11093 73330 10223 29298 53146 16700 90947 43995 40481 15112
54075 27007 52453 59837 03508 10509 88296 13829 62865 31922
06675 03192 01609 08249 16103 63047 33124 70265 64685 79990
95726 11277 02611 98304 52505 30102 15839 82137 70954 72983

54414 50824 68333 04120 03846 29540 33679 59484 72991 82474
62416 63648 96883 20706 64511 14268 77936 01981 32091 63938
13965 64569 77469 54097 86460 62387 77534 80675 07559 93583
85403 96156 49130 39765 95316 77764 02451 58055 71678 16447
99170 00000

11100 09501 00000 18001 02129
16190 58102 68815 87331 25696 76521 01190 79793 86948 07496
29515 38194 10378 19555 53344 19842 55249 47680 15827 56674
37182 24626 29047 25686 99037 29128 83829 41721 93630 93199
54961 27318 51687 35693 37754 39288 33506 14321 76896 56719
87736 13321 73532 60102 65728 08951 81489 56248 64887 80007
28613 28695 99466 55549 24132 18296 22244 17013 38002 63667
45507 96914 63151 56183 34804 41320 96580 89219 73870 28270
00243 06308 24202 59349 27651 77920 27679 66594 27143 61541
25703 01913 57745 24735 93274 01214 78567 35883 11443 40432
97677 52293 26585 25634 91382 60351 69921 84395 29853 47417
35741 50630 70042 10139 41742 60070 01818 28892 19946 98576
58261 63006 11610 70463 26064 46491 64587 79038 16951 88931
56565 36531 86087 11249 92611 45605 08393 71011 50485 19642
48693 56983 72133 33978 86674 57604 24819 25287 82543 33072
80310 81301 94363 45736 85582 88040 82970 28472 23454 26756
65441 95740 86602 37769 03025 26997 13400 93388 34482 77163
59002 47098 90782 93835 00126 51201 52079 45909 96954 60115
32904 93330 60616 61486 06530 52639 99661 02337 04430 38001
43982 02411 51762 82420 69607 71917 24842 68811 72824 75856
41513 25623 67043 12111 20368 66699 00858 95501 69761 80070
20734 64979 92533 95348 26769 56158 17407 84436 94947 06358
01210 00000

F06a: 17532 kHz, 20-11/21-11, 0100 UTC

File ZFD_37 (1536 bytes) 44444 09501 00000 20037 00009

17532 kHz, 22-11, 0100 UTC

11100 09501 00000 22001 00049 00000 00000 00000 00000

17532 kHz, 25-11/26-11, 0100 UTC

11100 09501 00000 25002 03789
07628 72526 38558 06396 09021 39452 03733 38823 72963 13403
70763 90718 68001 25667 13832 96733 61113 54759 18656 26158
77246 92874 58486 81649 86690 51493 65902 76957 87468 42093
80095 92095 74933 92884 74329 29389 15765 87530 93259 18839
68542 36771 54813 46242 18087 18892 96297 02505 15766 49984
69437 77572 42940 69927 14027 47446 39738 55025 64882 27685
66355 93244 71780 91861 89060 82992 37078 78385 08093 41358
00687 34158 69643 32768 27106 68465 29106 53994 74188 15573
57785 36439 48338 29446 10251 51648 75816 59038 94516 30984
44846 77576 12250 35390 98214 64299 61178 36200 81041 62064
16900 92912 73414 59280 36263 38881 62578 69580 49533 10845
34356 07704 33498 83250 88500 84991 82730 93298 07661 72956
21181 67639 34641 08356 21282 86679 37657 38205 22769 47414
68267 28168 68393 10738 41655 82767 98712 44161 93983 50847
73155 95876 96466 14725 09541 61111 30879 86479 59244 26701
56178 59794 60196 04823 20923 90813 34894 91827 01181 06440
25627 13109 68615 63500 84096 39939 18434 07245 57614 89221
11886 02584 39071 42086 12998 36527 72864 42274 24241 15247
33970 60242 50802 04207 22343 33928 48163 84800 39842 22113
32668 25922 41859 31319 59760 93927 80841 02184 99587 49398
83903 66236 64660 04174 31693 09031 69241 37062 30734 00555
25165 91690 96396 78871 03774 04914 88710 97911 18645 39229
68193 75372 08818 17639 63884 01641 27187 84378 70775 95700
63766 39978 18827 18944 58497 24061 80744 82830 83298 44346
10723 11332 98044 75272 31327 44099 10150 74694 10705 91293
92461 92076 97329 76009 39137 66633 04435 25233 64194 38846

61355 95282 72432 23796 73944 42645 57397 19753 61262 76170
06086 50455 60721 51546 15083 64514 18875 94000 47799 40393
10041 60155 87523 70381 49942 74987 65949 22017 96555 04820
71893 00384 55353 52286 69861 59726 31130 84202 83174 37820
93596 28294 21332 11531 48928 99701 56298 97002 34468 43210
77403 42915 78747 02139 79548 90244 94036 49834 64388 96960
93602 44685 59207 51108 50852 94626 83139 20707 42568 42040
15456 13895 43407 05011 45576 47775 63858 35864 09520 49383
48846 82926 42456 37229 79165 66453 02070 56829 42932 04639
42401 68696 69246 50676 42871 12200 41248 26786 22168 93736
30756 66147 91679 72671 21669 98690 28172 43453 14336 41661
70388 37369 28062 80912 69263 92364 02376 00000

F06a: 17532/16351 kHz, 27-11, 0100/0115 UTC
F06a: 17532 kHz, 28-11, 0100/0115 UTC
File ZFD_38 (1536 bytes). Header: 44400 09501 00000 27038 00009

17532 kHz, 29-11, 0100 UTC. Not heard
16351/14428 kHz, 29-11, 0110/0120 UTC
11100 09501 00000 29003 00049 00000 00000 00000 00000

Link 10053

14475/13521/10196 kHz, 03-11, 1530/1540/1550 UTC
11166 10053 87642 03001 00049 00000 00000 00000 00000

14475/13521/10196 kHz, 10-11, 1530/1540/1550 UTC
11166 10053 13467 10001 00049 00000 00000 00000 00000

14475/13521/10196 kHz, 17-11, 1530/1540/1550 UTC
11166 10053 93175 17321 00049 00000 00000 00000 00000

14475/13521/10196 kHz, 24-11, 1530/1540/1550 UTC
11166 10053 18930 24001 00049 00000 00000 00000 00000

13469/11643/9486 kHz, 05-11, 1650/1700/1710 UTC
11166 10053 84625 05001 00049 00000 00000 00000 00000

13469/11643/9486 kHz, 12-11, 1650/1700/1710 UTC
11166 10053 18930 12001 00049 00000 00000 00000 00000

13469/11643/9486 kHz, 19-11, 1650/1700/1710 UTC
11166 10053 13467 19001 00049 00000 00000 00000 00000

13469/11643/9486 kHz, 26-11, 1650/1700/1710 UTC
11166 10053 12547 26001 00049 00000 00000 00000 00000

Link 40023

27837/24083/22887 kHz, 13-11, 1015/1030/1045 UTC
11166 40023 13467 13001 00049 00000 00000 00000 00000

27837/24083/22887 kHz, 27-11, 1015/1030/1045 UTC
11166 40023 15987 27078 00049 00000 00000 00000 00000

Link 60070

10523/8131/7765 kHz, 05-11, 0030/0040/0050 UTC
11166 60070 13467 05001 00049 00000 00000 00000 00000

10523/8131/7765 kHz, 12-11, 0030/0040/0050 UTC
11166 60070 15963 12001 00049 00000 00000 00000 00000

10523/8131/7765 kHz, 19-11, 0030/0040/0050 UTC
11166 60070 32486 19001 00049 00000 00000 00000 00000

10523/8131/7765 kHz, 26-11, 0030/0040/0050 UTC
11166 60070 13467 26001 00049 00000 00000 00000 00000

Link 70059

8174/7316/5929 kHz, 04-11, 0500/0510/0520 UTC
11166 70059 87642 04001 00049 00000 00000 00000 00000

8174/7316/5929 kHz, 18-11, 0500/0510/0520 UTC
11166 70059 94632 18001 00049 00000 00000 00000 00000

Link 70202 (Mon + Wed: F06a, Tue + Thu: two F06 messages, Fri: null message)

12177/10156/8138 kHz, 01-11, 0700/0710/0720 UTC
11166 70202 93452 31008 00049 12753 13567 95621 00000

12177/10156/8138 kHz, 04-11, 0700/0715/0730 UTC File 44468 (binary contents)
10231/8082/6869 kHz, 04-11, 1200/1215/1230 UTC File 44468 (binary contents)

12177/10156/8138 kHz, 05-11, 0700/0710/0720 UTC
10231/8082/6869 kHz, 05-11, 1200/1210/1220 UTC
11166 70202 73214 02069 00959
05746 54373 23925 38142 38530 96952 46413 80088 03488 36459
10406 96707 91637 11360 00105 43359 26529 48170 66920 46216
59601 81987 50854 02914 42194 60310 18382 65725 10164 09857
15277 99441 42031 71056 57822 31147 76601 29901 10824 34069
00996 01857 25891 12713 45030 47498 38400 81435 42876 24584
46591 53681 47954 06238 21231 84034 11974 19928 19274 30302
64080 86946 99977 27797 51034 67048 66881 93023 24365 37965
84110 98931 85427 64468 40436 88955 24321 36666 59518 22003
13576 82229 79786 65583 42574 82231 52380 79277 03632 45284
30597 55721 65667 69093 00000

11166 70202 57926 02070 02299
79605 91986 48670 20837 24778 81713 86059 98742 04928 14761
08788 79817 47378 11899 16480 16075 56600 92533 66389 69924
00390 49330 65284 67370 44580 65522 74714 18094 22218 04576
78096 44623 48167 26906 83051 87770 15041 13335 57433 80530
31433 99971 22486 07615 88366 54208 51569 92829 64901 46514
47885 81462 08841 97720 99652 09884 53475 06482 36147 79537
56295 86595 33075 77518 70619 68878 40687 10915 86060 47278
33089 47109 98789 73910 02184 77226 97511 32710 44672 44912
76110 46384 15569 07628 08882 96350 46646 22656 49308 60356
53271 75002 38308 97452 78045 89373 32888 35030 44709 93430
91145 37583 20731 24492 74562 61905 12029 96892 53512 28398
38259 72164 26935 63177 62102 99236 92103 90668 71000 16856
25428 81382 34765 35384 60237 84548 87506 40186 72460 00301
07311 83791 10167 71102 92121 59005 27881 97099 55232 70166
11630 05080 88859 44739 05644 25738 69213 52421 76656 58932
01512 23967 76742 31608 28371 86890 90623 78094 50019 60265
78387 97440 29752 75785 49556 67503 83090 17287 29435 20448
74066 95911 03687 09372 67066 03103 52068 20724 07689 08625
07257 12213 31037 95782 99725 80894 20893 51043 74573 91115
68209 50233 91282 17015 02351 08511 42311 79261 93528 86287
51479 80715 49867 68305 38071 70706 57536 58034 57601 92605
37381 54600 55181 94396 16499 04409 92409 06915 38198 44675
33753 19449 58764 81026 03320 07400 04490 70227 00000

12177/10156/8138 kHz, 06-11, 0700/0715/0730 UTC File 44471 (binary contents)
10231/8082/6869 kHz, 06-11, 1200/1215/1230 UTC File 44471 (binary contents)

12177/10156/8138 kHz, 07-11, 0700/0710/0720 UTC

10231/8082/6869 kHz, 07-11, 1200/1210/1220 UTC

11166 70202 45632 06072 01879
02002 29505 26836 79011 24635 87242 51566 48789 33743 81821
09411 61496 08343 78424 51752 76362 31189 98805 02273 61383
65182 47087 04701 25807 84560 09484 40190 00767 46825 57644
62761 10248 16309 10292 26250 99571 75359 32845 01193 13589
84046 79728 05098 41766 74346 09039 94526 72355 89731 24256
92431 22827 06119 22706 49185 38774 95090 55440 60738 78444
15344 28228 92347 25116 43302 98356 81296 94486 78820 46912
17071 29274 86927 31238 22406 98208 61539 47262 83651 41606
22087 56367 03891 30716 78984 56505 77248 33017 28892 02233
07835 00672 65690 03364 21746 24297 18126 56922 45576 19263
50044 92078 49871 36703 84167 32772 80951 16406 35340 07684
29565 23802 64180 62268 09783 38210 87088 52526 46594 84549
03533 25192 95624 25688 26565 14046 43423 57630 27486 07019
61754 74718 30619 63792 14329 97043 19116 88566 39414 77254
37728 87701 56765 28938 03500 66897 72302 43784 60299 47621
78987 89695 38141 07460 77320 07046 03228 74079 63912 45272
09652 27492 61556 06984 88699 90310 89238 91779 36681 10671
95535 56962 87246 67530 03816 37326 79095 53005 42708 91225
55051 11456 60255 65094 53407 72185 00000

11166 70202 65412 06073 02079
40825 04079 83868 44411 99945 90952 83874 19011 77725 63447
62667 86254 38830 85880 21780 28586 44375 83336 59182 73518
95281 52191 90608 44044 03068 07831 56929 39219 11528 86770
03492 74612 17715 45355 42364 37303 65691 22227 33436 35116
11462 56754 45302 44791 82534 80602 81867 88749 80556 24635
85609 95181 00446 08338 53444 21102 64465 03947 26124 43097
94684 92477 37106 45428 72242 53823 31838 60184 56876 58136
93380 39176 65141 50660 35329 62257 30752 47205 47941 11755
95491 82459 08439 67703 04138 78316 91403 03564 01807 24412
40203 87125 57201 88051 85391 16262 60156 95730 21028 44244
66945 53405 74830 74292 91780 97740 33126 28046 67941 95490
06512 17657 26963 33215 47190 76177 69333 64509 53889 25938
25138 06956 25327 89600 28071 05953 48140 73574 51269 07637
30234 78485 78404 08070 15468 16381 08457 70884 40633 39361
17629 30575 20653 09324 26812 23616 72943 63513 48073 14609
16865 55547 08569 09625 09218 76634 75346 73951 01709 86641
29456 96415 31321 09721 62824 67480 79537 74169 96310 63292
61354 01220 42397 52883 30002 72438 60945 70693 08344 30430
81456 21620 82856 92525 90270 10775 21161 82150 06145 15131
99013 07551 92653 39251 47711 42577 80837 22297 57849 89198
00543 88477 00356 26451 43895 73205 00000

12177/10156/8138 kHz, 08-11, 0700/0710/0720 UTC

11166 70202 14567 08070 00049 00000 00000 00000 00000

12177/10156/8138 kHz, 11-11, 0700/0715/0730 UTC

File 44474 (binary contents)

10231/8082/6869 kHz, 11-11, 1200/1215/1230 UTC

File 44474 (binary contents)

12177/10156/8138 kHz, 12-11, 0700/0710/0720 UTC

10231/8082/6869 kHz, 12-11, 1200/1210/1220 UTC

11166 70202 38521 11075 01379
70278 05666 27916 17710 44299 14768 26925 72734 81706 25232
56433 06512 83228 03365 36331 35263 88844 18375 34215 79770
91402 54206 43318 48743 22211 81236 59741 18764 19533 42527
32455 78010 15941 34306 84479 25937 05445 85387 28699 46086
76346 65191 26746 94248 20759 75074 64383 69134 56717 02646
41829 57751 23824 43751 02465 72678 38375 21838 48351 23427
18889 59351 16012 89058 17983 80880 10890 84275 21540 52729
23950 36143 01094 88596 78840 13650 30376 76060 83054 77289
01959 03550 81539 40841 04939 92488 36186 62556 49583 64312

79625 07916 49895 97022 16791 51165 00026 50992 72661 07801
05464 68686 09640 15206 54959 78004 62997 03618 44096 53918
67819 24606 86472 18097 75892 29273 73407 81216 85974 13335
68125 57621 35876 71291 45351 07042 29801 26866 12252 83055
99372 31900 71657 92962 21791 75135 00000

11166 70202 91452 11076 02439
11451 22049 85873 04897 53161 53413 40261 82148 53387 61393
99466 99981 78049 94505 75670 42325 36907 27116 43510 71399
61242 91585 19562 18889 28512 45288 16145 48715 44907 27162
42879 58559 21765 83517 54432 12357 06763 67759 67894 20929
55837 43721 98222 12947 56760 47314 85191 63422 40317 86145
10275 71891 40013 81827 26918 07510 86263 84641 52620 63214
45979 15258 96270 86165 43512 13190 19180 76642 23884 96674
53238 72581 44229 63670 24636 61946 04408 88651 56595 90124
52713 94890 49541 54520 27611 06921 62146 03551 21455 12856
41696 82221 77113 91266 77212 91465 53439 82291 73757 53454
20528 07676 71378 00033 70699 69421 57109 26508 56135 81737
43483 77938 89121 15985 11981 60142 65818 63288 44862 92597
99503 44517 93810 45422 74236 22314 58837 27622 54853 94865
75867 18804 14261 76094 36464 61524 63946 91967 88113 56473
98649 47606 88518 27681 91133 44876 12327 49927 97982 55167
33744 55546 62389 77025 33462 62814 24835 33339 03340 93108
77624 87762 47274 69018 24210 85070 01704 10606 29232 45117
24179 71995 70220 65101 23428 85482 26898 09822 29376 05356
69015 94605 26535 68603 28656 90594 99213 14708 67960 07094
61977 31712 78186 30651 73805 20736 71068 25560 59372 96143
48380 25486 85897 63540 60678 70881 68998 42787 91131 71895
05987 28224 25387 01463 60039 03292 93406 48247 43689 51725
94224 84141 75069 32531 39536 26006 05352 10907 77087 96329
40803 62315 79775 12508 07926 91888 11418 59416 35083 36349
05111 76241 00000

12177/10156/8138 kHz, 13-11, 0700/0715/0730 UTC
10231/8082/6869 kHz, 13-11, 1200/1215/1230 UTC

File 44477 (binary contents)

File 44477 (binary contents)

12177/10156/8138 kHz, 14-11, 0700/0710/0720 UTC
10231/8082/6869 kHz, 14-11, 1200/1210/1220 UTC

11166 70202 82415 13078 01739
61175 16224 64449 85940 97482 11983 75195 03636 26775 67506
23019 18291 00297 49144 65327 20239 61195 05033 79785 57743
25472 63598 25591 87116 51316 73956 14216 70192 45246 30393
00569 73863 78510 48118 30492 51344 12182 82470 05554 09870
54377 08769 51061 94497 98041 04999 98227 42721 12741 04518
16445 89562 88896 10962 56588 27846 57891 92554 91291 53334
36501 97991 63135 49413 69074 61101 76681 91018 65905 86455
95293 72482 61235 33130 28681 89002 39323 38794 22097 26402
02013 51320 83147 38882 76250 60103 07118 19455 84976 44270
86785 92731 29833 79973 17642 84762 59125 73958 34450 49627
19480 15576 40105 57428 14624 64455 12701 73423 19735 15995
01769 82936 24798 11882 49607 41774 05393 87815 98649 56804
44376 75623 70804 26408 52864 01963 29702 95476 63982 50789
61795 04649 97795 81782 37242 38475 20877 21921 36509 02191
48934 72380 53636 81797 65947 97959 12102 67123 58245 91207
54220 42568 86956 28450 90013 75202 47284 59894 16490 54930
88028 01005 43274 66374 89805 17339 85520 97200 25392 20018
10053 78171 00000

11166 70202 65214 13079 01859
25544 21249 37242 72066 82999 59355 62672 77498 20610 94856
53516 78784 64208 07977 41146 59023 35521 13473 04994 18573
27330 05213 39170 26900 56471 89905 64891 03431 61847 45932
68382 25847 39656 68217 68962 89258 33005 85065 46994 64695
18110 57910 86384 30350 54269 99913 11316 74013 89787 74347

21915 90138 41045 58701 58525 19971 86903 85441 49285 08184
45629 95381 20695 74455 26518 64576 75854 23421 73426 90693
70067 41443 42372 49793 38500 53644 80411 59460 55571 39612
97973 09216 30773 31255 51835 44151 70603 41209 80932 12731
61295 95254 62188 14682 52044 67172 78548 09923 43403 39482
16412 74469 10540 38493 34644 14244 16052 17110 72359 72738
92016 83833 87655 93454 95962 01385 44505 23076 70460 03398
89962 66293 61015 02619 88906 28234 71939 89044 08479 05415
64907 41435 69418 11186 29875 00656 06487 46563 83043 78256
05148 52430 71566 98756 06721 04006 89685 99049 99166 33548
35967 33379 35709 92210 66355 57315 48477 87001 22702 89178
49354 53776 41479 72333 35218 52197 72347 86806 39770 93613
61286 83653 99126 37782 77950 40521 23371 19373 91959 61835
91249 90203 27803 79183 00000

12177/10156/8138 kHz, 15-11, 0700/0710/0720 UTC

1166 70202 37841 14078 00049 00000 00000 00000 00000

12177/10156/8138 kHz, 18-11, 0700/0715/0730 UTC

File 44480 (binary contents)

10231/8082/6869 kHz, 18-11, 1200/1215/1230 UTC

File 44480 (binary contents)

12177/10156/8138 kHz, 19-11, 0700/0710/0720 UTC

10231/8082/6869 kHz, 19-11, 1200/1210/1220 UTC

11166 70202 73941 18081 01839
77923 03743 11034 15945 83840 76850 77821 19587 68506 35931
72070 50078 98013 89443 88718 53346 65230 55673 79971 61073
21060 25985 06555 89065 09342 22846 06640 49513 14795 30421
56749 44161 02747 34548 66051 48874 82660 83989 51667 14742
67308 05596 21373 25483 07773 29759 67707 33441 11617 56828
09327 23201 15795 32434 11025 15734 99586 13208 40523 47125
53825 90185 02826 04889 67593 06362 31437 02562 19585 60349
41309 41827 00425 99953 08105 40079 37783 30706 86242 92728
58384 50354 12046 98763 09486 94678 50963 77687 73055 33727
64605 09829 41688 86153 39065 00030 56788 08913 31269 24072
83654 36674 67055 68444 62276 89912 58177 11392 06027 24695
05208 95364 68793 84127 89002 54604 27532 26101 95626 18028
84919 86525 74216 04284 55541 54303 62206 14584 19902 43851
31125 23386 98530 10784 13517 29096 09974 67072 69868 08355
15324 21291 78085 56600 27764 70571 51651 28133 64130 93426
58252 80279 08154 16023 88806 94918 63426 80713 34559 18484
82766 37178 37220 15280 08340 28272 70706 88222 60784 21838
41251 23685 29019 08936 98497 64055 10141 65090 78773 88817
52350 81181 00000

11166 70202 48670 18082 01539
11310 17173 50598 89377 69079 04437 70803 10266 89636 14575
79250 32292 58983 18863 84434 98653 68184 07850 33800 60154
45423 43147 21377 66447 25832 32416 60780 12659 58963 39654
49815 33791 66143 76545 54285 58505 71505 68028 34368 49434
45729 77930 34951 14459 53415 13538 45775 15933 70208 61762
82459 04879 35344 40770 04767 16476 07155 76729 33642 46422
89113 94811 79847 76454 95130 66913 83148 52912 22738 20750
93485 23415 54740 99931 43077 28779 32897 65564 45413 00040
91838 81658 60944 84752 67919 85556 21750 66057 15412 59107
31561 80854 20958 72991 56594 21304 25795 77725 74486 10759
05067 17622 69096 93616 87529 34690 90756 59506 45564 91501
25392 46720 30484 97893 54322 70728 95711 89698 35651 77207
78817 01969 01804 15104 18861 20827 93276 39568 61391 81069
29928 27437 37002 01807 38157 76976 36979 83263 06803 23205
03857 16814 32041 14041 51414 72005 12244 17576 53411 79992
91040 82151 00000

12177/10156/8138 kHz, 20-11, 0700/0715/0730 UTC

File 44483 (binary contents)

10231/8082/6869 kHz, 20-11, 1200/1215/1230 UTC

File 44483 (binary contents)

12177/10156/8138 kHz, 21-11, 0700/0710/0720 UTC

10231/8082/6869 kHz, 21-11, 1200/1210/1220 UTC

11166 70202 79462 20084 01819

31436 78280 82987 92371 60636 94270 76842 50976 99447 12867
70561 13398 31376 25020 60963 49058 05162 57603 73317 13762
22171 04149 83744 05480 34050 06841 97975 01867 49063 81981
47389 84202 70565 06086 88273 77454 16039 04820 15246 61130
90133 11956 24772 30631 10149 90529 89725 13764 07395 33399
30908 72136 52871 85376 96490 42090 80696 54144 85300 94873
07734 02111 74883 20742 72837 36423 40305 66674 44177 39305
74599 82384 68056 05921 46819 54328 57674 81938 58623 32375
45274 17995 85335 78856 46096 83235 12409 94652 07593 05131
03248 02030 42330 27747 59304 88891 68026 05658 58405 44149
03146 75692 82234 38897 91504 73703 68916 33064 54313 88540
51631 12255 93105 70412 69204 84445 91971 35846 59610 91231
92555 36400 72314 13315 40242 83340 60406 74919 24967 45467
38461 76812 65099 62261 17046 12636 07829 39561 49841 48221
44487 19942 54282 68575 64254 44986 91683 22242 94683 51645
17771 17702 02470 69862 39557 51518 52922 13655 39505 72903
51556 82840 52920 14405 16257 17603 09490 43386 53443 73060
74932 13996 36678 06062 53673 24323 11151 91360 38502 84179
00000

11166 70202 39281 20085 01559

70425 99782 81494 30893 38265 82916 99533 46523 11468 63530
72380 43521 79698 18049 97653 62485 83520 12163 93139 14016
59218 18674 54755 12233 25118 42851 52090 96274 07846 47504
22497 44479 31979 94936 49647 10926 21498 47997 37502 39026
86500 97389 15626 31854 93608 07441 36791 83904 43496 97521
52797 03966 03995 01288 79460 83781 72190 70948 86692 92219
63974 18740 74615 99601 54460 12795 21656 61900 17732 69589
15543 19490 39328 10163 03154 90133 99935 72298 20149 60897
53700 95838 86324 08672 49608 23341 77631 04004 69367 83251
10786 77907 80238 47784 01417 56360 26237 82691 81688 92150
06154 31126 88332 48791 11832 98763 57022 16153 25133 32384
84042 62543 97030 09102 41169 52880 57276 78424 54723 87681
28060 24330 84709 42534 40122 39555 64997 12740 74736 29272
90474 92829 80013 86356 62107 45619 34958 05415 25852 40514
59715 27773 66350 65733 95447 34615 41344 44145 02281 30442
67756 07411 48746 85153 00000

12177/10156/8138 kHz, 22-11, 0700/0710/0720 UTC

11166 70202 53485 22028 00049 00000 00000 00000 00000

12177/10156/8138 kHz, 25-11, 0700/0715/0730 UTC

File 44483 (binary contents)

10231/8082/6869 kHz, 25-11, 1200/1215/1230 UTC

File 44483 (binary contents)

12177/10156/8138 kHz, 26-11, 0700/0710/0720 UTC

10231/8082/6869 kHz, 26-11, 1200/1210/1220 UTC

11166 70202 29876 25086 01759

60081 66140 29644 08467 10300 89029 10414 80555 95029 49635
75863 08076 74921 65147 56638 42778 76285 79885 13182 56082
77291 65048 78226 70322 57941 37314 93533 61179 05991 57221
45559 54747 96025 93272 29723 67662 83859 62702 97993 63739
83461 84839 69448 25545 18583 08003 08514 64354 66280 95876
00574 16925 34525 84287 79621 02516 41078 44334 87655 38607
85820 12804 70494 38748 33733 75805 39714 40964 50704 16567
55377 40177 59359 63331 09257 23059 07100 98282 13233 28768
63525 13454 22553 84006 89455 24532 48641 85818 44707 78522
41154 30595 26833 16196 43947 12698 58006 75250 54672 41153
62236 45142 42659 47847 00105 09513 04799 85664 53204 37147
64095 40011 75479 07409 40581 02138 53644 81081 49287 77738
43865 52563 04945 29222 76916 44338 38122 75121 48960 29680
52466 95071 40173 94508 77746 13786 28388 74347 98395 62471

89941 27317 62212 41136 04915 29097 98935 30195 08962 00801
03373 24846 58901 05700 62756 90626 04272 75732 33036 63602
82021 53730 93776 43627 76543 62310 36361 54095 12217 35364
65182 66650 70668 86173 00000

11166 70202 18345 25087 02219
49787 85965 24142 77266 58136 83862 70091 67751 06338 64206
70735 76843 37293 27217 30769 20955 72784 55417 05847 68572
81294 96462 35490 98526 38103 07398 83117 93906 63615 90025
31648 13809 50843 72079 08100 10101 17990 13880 35639 81395
47062 45172 36499 81421 94465 61822 34225 23969 84500 37066
28665 51611 21711 26998 42154 60382 83016 74980 60334 97595
75568 44673 16026 74999 71263 36358 89622 64446 53858 66255
24408 68278 39618 13516 80267 81593 57435 64572 74205 88608
99362 09546 81120 60281 77491 70389 93274 45396 48114 65458
61887 72286 89112 40189 69295 03400 41502 18585 05123 09872
51080 55188 44883 58317 71101 92224 54471 27004 11932 51617
68959 93620 48609 16544 19159 61807 22257 82239 04366 18643
96274 80722 34738 40281 53259 09129 91736 87913 43581 16355
80076 61257 21559 27685 69610 01745 30174 12096 50600 62612
20247 21919 50798 88066 15040 59562 87787 68725 56189 50965
55006 65512 91938 30478 64909 19195 93582 66861 97693 87758
11080 85075 29022 78795 03759 63570 35198 69105 07056 11741
99209 28688 21238 57252 66098 91316 33018 97914 21076 38885
06036 97792 88834 91704 01110 32242 77486 21955 12219 11568
15571 32462 29144 37967 55561 67991 62704 75475 42318 51256
93532 37582 69916 60816 30320 22206 75296 93058 88469 48729
42157 75446 25105 76763 13555 23232 91354 11345 36618 87219
00000

12177/10156/8138 kHz, 27-11, 0700/0715/0730 UTC File 44488 (binary contents)
10231/8082/6869 kHz, 27-11, 1200/1215/1230 UTC File 44488 (binary contents)

12177/10156/8138 kHz, 28-11, 0700/0710/0720 UTC
10231/8082/6869 kHz, 28-11, 1200/1210/1220 UTC

11166 70202 30514 27089 01839
06510 21700 52980 20040 03688 63868 00609 18964 86475 40053
99670 39641 90038 25455 98124 56609 35774 45603 91261 59575
13492 30957 13490 06113 13677 22009 82574 36577 70796 29552
19743 68410 03581 79817 94113 12028 63201 99159 64879 75476
25317 17984 19678 50046 86882 98590 32596 94032 53701 16646
90233 56822 29622 50941 59280 10508 43343 61148 94024 81201
73742 58246 07253 97249 59695 97314 52947 96525 05282 47376
94260 59989 16362 17974 55162 63713 29423 47184 79221 66544
18655 80729 43961 75600 92179 96904 04209 56787 13392 56984
62889 82522 08318 85805 92701 33853 44958 12218 57107 99153
95539 24081 04075 36600 17608 17503 31012 92590 14915 45002
44336 93321 64020 92285 62100 51688 17558 38319 33127 56707
20100 78403 71088 37647 97554 14904 26957 20053 06038 45362
48280 15850 51151 02651 98701 14722 13613 26860 36181 68942
42173 73626 73339 88855 99746 88556 68368 91178 73712 02467
19949 67336 86306 27100 64606 63995 66053 56026 99947 92995
66164 00400 82214 12860 40854 14275 71587 49077 15498 89149
23685 45345 11576 22447 50691 62947 12346 89600 00548 70473
80163 89181 00000

11166 70202 95438 27090 02179
11637 35449 00417 66232 82460 35593 67481 14420 93471 69832
78638 90240 73828 83254 30798 10546 44288 37141 92835 07094
75525 19308 51069 22682 12560 85016 07571 71447 19998 01893
98490 99258 27747 97283 24598 05147 81914 31491 11207 09708
30571 45325 39692 81414 99057 55414 17772 56772 34538 95695
80742 15273 24474 28550 40865 95052 18712 73988 27082 60228
09876 30352 82248 55817 51739 84952 10078 11200 20285 38084

88976 78054 47118 88861 94964 13698 79935 56308 00861 45780
49728 34131 43931 79255 49418 02633 79177 31588 53598 46182
60458 07106 34082 49698 16632 46459 50934 72563 14901 12114
23682 23427 28563 95813 12389 84315 51327 58955 63276 57506
25414 41814 98587 33587 75603 02547 55374 04140 66434 71924
02901 67504 24729 34724 93339 01033 94644 73712 25468 98289
17425 37174 26030 94636 53049 15903 78470 29623 85966 40611
53707 19642 82092 35683 22656 39266 89271 90211 55173 34721
98373 32261 35111 17923 07236 17289 46178 14518 54607 66665
08285 64363 16318 17226 69065 97891 80831 67801 80262 36785
46378 33653 13667 92409 06871 44758 96287 60434 18761 48879
69456 35086 66049 05359 01538 91468 65631 80570 08946 09381
80148 80969 65146 37082 30563 84680 02335 18435 25617 57553
35477 31863 50374 64631 63406 14565 81035 12971 26647 70417
18210 86739 26678 85008 55826 90215 00000

12177/10156/8138 kHz, 29-11, 0700/0710/0720 UTC

11166 70202 16754 28017 00049 00000 00000 00000 00000

Link 80214

17465/14858/11631 kHz, 07-11, 1330/1340/1350 UTC

11166 80214 20186 07082 00049 00000 00000 00000 00000

17465/14858/11631 kHz, 14-11, 1330/1340/1350 UTC

11166 80214 85201 14055 00049 00000 00000 00000 00000

17465/14858/11631 kHz, 21-11, 1330/1340/1350 UTC. Wrong date in the header

11166 80214 45127 **20**066 00049 00000 00000 00000 00000

17465/14858/11631 kHz, 28-11, 1330/1340/1350 UTC

11166 80214 45389 28054 00049 00000 00000 00000 00000

F06a

19115/18355/15899 kHz, 01-11, 0700/0715/0730 UTC

Files 44403 (3271 bytes, binary contents)

16274/18677/20889 kHz, 07-11, 0600/0615/0630 UTC

File 44215 (2013 bytes, binary contents)

16274/18677/20889 kHz, 13-11/14-11, 0600/0615/0630 UTC

File 45416 (binary contents)

16274/18677/20889 kHz, 20-11/21-11, 0600/0615/0630 UTC

File 64417 (binary contents)

16274/18677/20889 kHz, 27-11/28-11, 0600/0615/0630 UTC

File 42418 (binary contents)

6781/5267/4645 kHz, 29-11, 2000/2015/2030 UTC

File 04436 (3139 bytes, binary contents)

14840/13859/12079 kHz, 30-11, 0700/0715/0730 UTC

File 04436 (3139 bytes, binary contents)

Known test frequency cycle normally associated with F06 ID 00000; ID 79993 is also clearly a bogus test ID. As a variation from usual operating practices, in the text file, the header wasn't separated from the rest by empty blank lines. (PY)

5913/7992/10687 kHz, 23-11, 1525/1535/1545 UTC

File_KI799~1.TLG (1556 bytes). (interruptions in modulation)

11100 79993 26317 23034 02519

54847 66079 98220 37407 43523 39016 35979 18042 38238 31922

05290 29019 17873 67017 31288 41197 37668 00259 67558 66529

52479 56392 65154 71874 29592 11761 80377 86660 30770 23303

13515 65330 68229 27176 95724 90501 64231 55452 66249 27805

68964 44315 07156 68303 16430 32199 27771 19454 22991 71303

16024 30540 58288 00928 98861 63519 43213 56061 78937 45210

54607 09661 39758 61770 41396 72057 36470 81393 81836 95930

14487 16173 36560 60291 23123 59054 77104 31894 16449 56828

94629 27543 58532 05097 18486 25701 75261 76145 99337 00863

19939 15669 36527 79110 44835 69275 54364 38309 95886 24719

57022 01358 72719 80789 16744 95949 21197 78798 75031 79273

50679 57606 61509 51095 93167 18116 60157 03650 46538 08179

77590 81795 69041 63846 93071 51853 17261 67913 94963 02581

44714 11678 33281 26702 03289 70860 43050 56455 14697 31625
18156 51572 04130 27636 40364 63138 13324 74078 93204 21772
35189 09605 15411 23555 37220 82110 73592 12156 65858 39311
58835 80580 49003 10030 36918 40993 38850 87154 06823 36034
62251 48186 47239 90084 70784 74324 55742 23914 07712 54027
10338 81130 34026 81975 08051 39899 80761 89397 60255 08344
19768 66659 49436 27083 70119 64099 77054 27325 82367 82005
57220 17973 67804 85696 35851 00172 64936 06647 40006 32727
60351 15565 87083 96849 06170 78403 08573 33647 01266 31200
68038 52809 28439 34713 78030 35923 64740 94773 45619 82853
07122 59304 01213 74625 80611 27933 90377 51253 21193 35135
33327 27943 50575 92860 81778 98116 85056 03564 27856 96681

11125/9064/7855 kHz, 12-11, 1700/1715/1730 UTC
11125/9064/7855 kHz, 14-11, 1700/1715/1730 UTC

File 44440 (2416 bytes, binary contents, empty text header)
File 44441 (2662 bytes, binary contents, empty text header)

6923/4612/3735 kHz, 12-11, 1800/1815/1830 UTC
6923/4612/3735 kHz, 19-11, 1800/1815/1830 UTC
6923/4612/3735 kHz, 26-11, 1800/1815/1830 UTC
11122/9067/6791 kHz, 27-11, 0400/0415/0430 UTC

Active, not decoded
Active, not decoded
File 44495 (1718 bytes, binary contents, empty text header)
File 44495 (1718 bytes, binary contents, empty text header)

6923/4612/3735 kHz, 28-11, 1800/1815/1830 UTC
11122/9067/6791 kHz, 29-11, 0400/0415/0430 UTC

File 44496 (1853 bytes, binary contents, empty text header)
File 44496 (1853 bytes, binary contents, empty text header)

F07

8182 kHz, 05-11/07-11/12-11/14-11/19-11/21-11/26-11/28-11, 2100 UTC
7856 kHz, 05-11/07-11/12-11/14-11/19-11/21-11/26-11/28-11, 2110 UTC
7541 kHz, 05-11/07-11/12-11/14-11/19-11/21-11/26-11/28-11, 2120 UTC
6992 kHz, 05-11/07-11/12-11/14-11/19-11/21-11/26-11/28-11, 2130 UTC
6802 kHz, 05-11/07-11/12-11/14-11/19-11/21-11/26-11/28-11, 2140 UTC
5818 kHz, 05-11/07-11/12-11/14-11/19-11/21-11/26-11/28-11, 2150 UTC

HM01 - Dirección General de Inteligencia

Still no sign of life in November.

M42

16156 kHz, 14-11, 1300 UTC, FSK CW + FSK 100/500. UAL: MFA Moscow wkg UAG: Russian embassy Havana

UAL UAL UAL
UAL UAL UAL
UAL UAL UAL
UAL UAL UAL
QSA4 QRU? K
QRQ 75 QZN K
BK QRV K
R GR 5 K (UAG repeats the header and the first groups)
AA 280 K
AA 280 K
AA 280 K (UAG repeats part of the message)
BK 380 K (UAG repeats part of the message)
BK QSL 1 K
RPT K
OK

RYRYRYRYRYRYRYRYRYRYRYRYRYRYRYRY
11100 70103 85217 14155 04009
50547 52006 01412 78140 31132 71941 25881 23192 63550 38103
18356 00445 56922 04080 61697 73792 53639 71454 86939 89005
10561 39530 40665 04367 20925 58665 70450 11634 87936 41917

01810 14528 85933 14661 05084 56923 70102 06928 75712 17934
20660 18003 76309 16084 3+450 08210 14008 89746 85878 97335
51486 46034 60146 74518 75124 95343 74691 49237 68732 13728
69806 98116 66273 00282 62337 87200 82039 21748 37429 74422
41696 61503 62242 21918 62645 15139 32573 72908 57151 99800
88328 72804 56643 69494 58786 39249 80661 53527 23568 10769
98856 60289 00288 28721 59503 13953 94784 32240 82949 13472
74898 70847 43448 39485 53712 64438 87800 37294 93214 65302
64258 50118 64297 01900 60114 35600 24046 09053 71424 37155
96252 74251 53292 01162 66087 54763 24161 55159 24866 45231
22547 93264 25856 00440 39649 32773 37051 42961 76274 92546
01864 10330 97523 60172 43654 21477 83662 40076 75053 67071
00623 99780 98006 53493 38569 56497 05474 05911 91973 71232
20733 54433 79629 42609 35212 75247 28039 17577 30802 37700
66628 61206 97570 90743 08206 52748 82833 01199 13118 00161
32501 04259 60531 90268 10655 45111 75281 16762 08280 66356
83730 53213 77099 20920 97054 63298 49439 15132 45423 65418
30068 11680 11488 93896 70948 47107 36624 23947 64831 43545
98368 59606 18641 19383 82483 52796 92581 28537 98085 42736
15898 83035 09282 37857 15242 38574 81744 77439 16571 47765
67669 43130 06518 10739 77540 11552 64171 77796 19161 08180
99203 83806 53369 96114 57290 19002 36879 26853 78736 66015
95698 65509 21285 57407 67540 07234 83000 34093 04633 07453
86206 08634 09704 12158 08382 63525 45534 05420 70977 39000
53261 15170 22074 90084 56132 83939 73125 07000 33197 49941
80631 02601 10901 86487 68960 99568 46483 88722 54777 66985
00917 76069 09503 41036 25521 32060 60451 81502 10282 37061
36668 44721 67432 79955 96122 63296 48738 38293 95189 37230
19902 44076 86339 66163 40537 77384 55006 77427 23149 55016
31535 29573 69553 06334 39184 96083 08174 53508 64082 58945
80657 38347 58104 66772 51243 69884 10598 37169 37325 35939
69885 08020 84637 42784 60497 67313 35512 80931 27065 16703
63639 24120 40803 46991 73766 21603 29535 32698 89779 25986
97191 72940 79510 11464 83712 34780 90327 49618 81305 79944
92096 15374 67977 67768 54039 64105 44303 99754 00794 07368
84344 00928 23116 59352 36668 77185 40788 45546 36402 17617
41517 90788 14259 83388 44104 28909 13481 36184 59379

CFM K
CFM K
NIL
SK

18726 kHz, 14-11, 1318 UTC, FSK CW + FSK 75/500. UAG: Russian embassy Havana wkg UAL: MFA Moscow
in progress 63107 280769 59077

05798 30625 55573 13588 22758 33085 01942 31502 27-84 79855
75933 61893 79440 30364 48090 13219 51185 76673 77623 51129
93378 58210 79261 71060 67117 74918 86578 08575 64103 29860
26098 13945 98479 32647 10851 63367 81584 16694)66590 83933
15543 51010 05227 34553 66655 50859 96897 10026 04500 17033
85094 00440 17696 58432 18300 43800 11272 77631 96561 49181
63560 24115 56448 22183 71966 44881 42821 10613 22756 87129
40858 61818 18178 32580 66770 69335 68878 68369 40648 30858
24541 23945 89879 59053 02213 28801 56539 12386 09543 70708
07293 38159 28019 59104 69089 41938 44567 23359 39233 46970
40012 00980 43188 44961 71809 9266_ 38577 43816 11488 97288
88802 10524 22823 42464 54746 28370 91656 79458 77963 06277
43330 13660 53869 38240 08640 78128 18012 29668 24274 79519
94898 32811 70691 71046 81089 58398 39127 __172 84729 55814
21426 53819 89881 79135 87417 00460 56550 80107 81901 78313
59609 97472 44601 98805 35250 32469 58146 32296 96269 29144
18011 07646 18690 01178 35537 70343 51131 72479 09356 84869
45355 23739 27196 85980 31473 62120 82962 08613 86193 56294
23660 51084 67579 03980 40880 85123 17765 24204 30821 80532

29683 75358 48913 31279 84537 25381 64382 68507 35611 33058
02507 48732 39362 37888 21786 44517 33871 81622 62697 91808
41720 66392 57058 30531 41706 57067 58589 51140 70356 32545
18104 64316 39155 15653 51762 35994 78435 36348 75831 54908
43865 07910 06389 24854 46472 20804 47398 98826 92139 83911
15606 97261 41510 67810 75695 77531 26244 29794 84124 46902
82552 25314 65098 36138 87963 35536 67105 75935 12242 65703
73455 43376 18406 93976 65268 70586 74787 75461 60329 32799
64053 31091 76266 57980 00149 76062 91487 25248 89073 67514
02298 44227 94462 76121 99651 32563 93869 11315 13974 33759
36724 54790 01481 42539 39883 82015 70441 29914 81714 76408
70820 85142 80656 65872 95741 16775 69183 36399 68192 79968
99127 02392 11435 22255 39276 38423 26534 64955 51195 02107
25462 62430 54215 02768 93195 06341 15513 95600 77265 67129

26228 06005 28178 89877 49552 13782 39155 86767 51729 51885
58629 93291 51902 99404 73926 80434 51748 73484 89582 39993
30828 49843 48723 85227 18609 66605 70950 34038 79071 91115
05163 66839 68861 54426 20767 76339 54909 83156 85695 51393
02460 83395 04681 62129 69455 56344 16226 38530 68192 50386
71694 5.665 80216 79268 44978 95743 35362 61086 46159 70196
90898 57756 37618 33964 71712 19657 76017 69173 57457 65146
28610 64400 27615 49621 37292 28704 00407 03814 28847 36617
26490 46020 94830 21274 23372 97937 89506 57880 61492 58806
19299 04698 37895 17532 22176 93735 98440 07495 60420 88336
94488 33713 75213 49847 84992 27062 76469 80555 19940 05228
66369 35084 66079 45090 20014 17435 60868 96220 71652 05856
05584 90171 79907 72735 33527 25266 70446 91697 14268 31552
79530 49101 79858 45632 46877 02108 83956 50032 31284 50529
29801 56814 47431 14631 27965 40115 47329 36075 69841 47298
94819 44198 27778 43403 06586 54813 17819 68590 58100 93708
85978 13252 77963 62051 03984 40491 79040 85866 85432 10659
99866 16790 58297 87614 54736 76272 54713 31423 15926 60433
03990 07163 76478 47748 39782 64534 66997 76749 57362 67954
24873 85935 81920 81828 39400 33082 33846 40689 21203 36122
01909 58880 69413 02811 60300 59480 35049 41332 90451 27156
04013 69062 93574 14623 48159 61661 04867 57409 17868 09675
45308 76615 74559 74862 72003 74331 86581 63401 12986 51439
36925 58183 97433 02449 16181 77377 17243 67079 99198 51449
80872 43270 28864 35828 45421 91294 55454 01402 07861 83686
04988 70032 01371 80645 75018 87282 27700 35622 81311

CFM K
CFM NIL K
SK

18726 kHz, 21-11, 1302 UTC, FSK CW + FSK 75/500

UAG: Russian embassy Havana wkg UAL: MFA Moscow i.p. Opchat + message in progress

.... 90108 87261
34450 74791 09959 35345 46278 27230 19778 28345 59602 79515
29759 22081 52812 95063 89272 99908 00176 07691 54783 56035
07186 92093 10983 44956 76466 87160 56090 51687 77695 39296
87245 62481 19957 57960 46935 40734 49979 00597 16400 37737
24686 29147 66944 92991 31505 05332 05095 03759 54864 16890
72547 68536 12317 51961 86835 34144 08740 63803 33656 01113
82024 93027 46798 67067 38720 39537 36597 12775 03048 01368
52877 60561 27735 22606 93286 59785 40105 17574 92993 79035
21854 63480 56662 09768 45960 78704 18650 11050 19157 28922
42366 50103 03413 28244 94730 18342 14848 27567 56667 27577
23538 07315 55563 16094 02623 16765 30649 19277 00181 27140
67217 84465 32287 90663 60633 34746 20701 22751 96062 11356
23625 49543 54862 49378 32960 87949 83571 66437 36512 50406
86429 69063 68566 91520 27377 06422 97286 38809 52456 26093
22366 74691 68572 11589 81365 61951 39524 06301 88187 29840
85271 53555 52110 63009 95352 07470 50831 60464 92408 94301
55946 56724 06732 28971 34312 22382 47797 16445 73726 86235
83697 92671 06355 46201 64429 84759 28354 61170 49964 95074
39129 41025 29038 38954 48645 76974 39606 90723 26251 79416
26895 17695 89446 15504 99982 06849 56018 63606 72866 13875
08004 26856 00922 89264 40903 72956 48722 61142 96580 92458
50145 79520 03300 92669 46687 51671 71321 69404 14955 23297
17510 23750 19243 85187 17372 16038 50156 10056 07988 74215
35190 49237 90244 98790 32241 43936 03834 31557 41946 30715
73436 80266 99818 45907 49534 16451 34103 58638 92296 88578
00291 87160 71956 17720 28232 78163 84144 67935 42785 53766
03587 08542 43936 55869 24633 10476 57333 42563 62026 43913
91159 16270 10372 69357 60302 88312 85731 39360 63736 09598
97787 53087 26072 22098 26007 30894 39199 10822 98246 01114
64967 60965 95246 16233 84834 49920 29421 40659 07434 28833

71427 77250 69982 73408 22903 24806 94473 08631 58851 83697
84597 37107 88075 51835 74317 25702 05135 78153 64048 30170
32227 65806 05363 62453 74456 42246 20177 30354 36920 38400
65344 04250 77043 44105 78598 90546 90608 32003 66773 16566
54916 67079 22260 56534 77503 44038 78608 53383 23881 19691
41242 16030 22693 32556 54193 96838 71772 26853 88818

CFM QRQ 75 QBN K
BK RPT BR RPT PBL K
QRZ QDG 2 QSA T
NIL K
SK

18726 kHz, 28-11, 1300 UTC, FSK CW + FSK 75/500 .

UAG: Russian embassy Havana wkg UAL: MFA Moscow i.p. Opchat and message

11100 70103 59874 28167 04003
00121 14396 79255 88276 68533 28328 58540 84279 03790 67423
01205 99062 12633 24465 41448 30052 89396 82123 22681 19576
47072 87075 61857 45245 12937 46872 27563 79167 68412 47997
24071 76963 37858 18559 98537 828 55964 84043 13527 59230
68460 89576 52064 84293 45802 87123 47383 65920 14541 1106
54 _3 70494 36047 90604 86353 69936 87296 72404 19977 45467
23384 51937 47791 08641 26469 36951 88283 25607 70835 91511
0 _031 535 58744 34038 85652 39129 06788 87785 37970 98188
87403 _0721 65560 32128 55265 28645 39903 22421 13217 18725
31273 80878 97448 19021 25614 02727 86595 10284 39547 10393
64452 44763 75705 98961 90988 20032 85601 19224 61348 92749
32189 59265 57532 55799 69325 10521 22437 27256 80318 29247
10948 24591 42736 29335 97772 22578 11678 67412 46691 18330
38692 06170 70934 51891 68517 66841 39349 55849 80853 06791
08056 32372 69335 83122 82287 81136 74896 88277 38088 26565
15721 68529 58555 17822 80965 61331 64333 99997 80433 12451
43025 79923 67396 58823 07214 35052 76744 88069 35796 38840
45664 10607 78293 01077 09016 05296 26844 46587 86606 24566
85555 80756 04546 69942 91913 15300 17,~4 73926 69922 52732
26645 49157 19675 52964 02649 90802 73032 30463 68978 43102
70113 55417 99601 66010 36259 57345 31151 62881 64185 54583
04103 55115 30990 58082 75540 14724 04714 22971 70684 90740
20143 46297 65385 90411 28533 34412 16753 01120 50947 88405
84123 63958 89895 81057 07545 34906 78962 23726 35971 94539
75112 46614 22343 92218 23353 40852 27764 35675 48455 35840
01935 61957 53409 10271 32046 50654 29305 60289 77322 65348
06327 73222 31395 34219 00551 80299 79688 05755 36225 86826
44020 40492 48234 03235 31599 24731 94419 25443 30591 17157
32453 37980 19472 64321 40950 38292 82324 45888 89507 05683
47285 35623 87352 63320 90322 89029 65298 06744 71536 93586
70679 97318 96157 42524 79974 44061 17454 18069 58777 22290
23706 95096 23834 02521 76459 01142 86806 88063 92236 93679
84469 84738 84880 40644 25018 51166 10748 15095 05172 03055
83906 39988 77774 69936 53550 43982 74569 27774 60803 14213
13826 55893 17105 56981 47536 91658 71371 02289 27830 81351
58106 13157 97334 50668 43661 85672 33129 43292 12824 50685
99015 00959 62930 13113 85769 83475 97681 89776 44067 52114
37856 31706 39779 64814 91099 41860 86311 56649 47993 24195
33688 03983 96573 25011 19056 95744 72491 52531 08304 60290
87017 85631 83488 21243 00051 07675 55734 80796 30346

16156 kHz, 28-11, 1300 UTC, FSK CW + FSK 75/500

UAL: MFA Moscow wkg UAG: Russian embassy Havana i.p. Opchat and message

UAL UAL UAL
QSA4 QTC1 K
QRQ 75 QBN K
BK K
QSL4 CFM ?

CFM NIL QRU? K
OK SLV K
BK QRV K
K
R 831 1542 K
SK

CDAP CDAP CDAP DE AIFH AIFH K
QSA3 QSA? K
QTC1 ZZC ZVP K
RPT K

QTC1 ZZC ZVP K

RYRYRYRYRYRYRYRYRY (FSK 50/140 CW)
RYRYRYRYRYRYRYRY (FSK 50/500)

???658 100 03 1540 1357 =
???658 100 03 1540 1357 =
???658 100 03 1540 1357 =

RYRYRYRYRYRYRYRYRYRY (FSK 50/500 CW)
???658 100 03 (FSK CW)

CFM NIL QRU?
OK SLV K
RPT K
OK SLV K
BK QRV K
ZVP K
BK QRV K
K
ZKO RPT PBL K
RPT K
RPT K
RPT K
R 123 1605 K
1
RPT K
K

5469 kHz, 04-11, 1535 UTC, CW + FSK 50/500

AIFH AIFH AIHF DE CDAP CDAP K
QSA3 QSA? K
QTC1 ZZC ZCP K

RYRYRYRYRYRYRYRYRYRYRYRY
660 100 04 1525 1357=
33623 73610 92423 68560 42351 73207 85067 54117 33995 35601
64611 71501 20847 69393 04603 35015 10191 39209 52168 82933
24786 24125 85597 94634 71687 69162 48639 47579 05687 37192
66347 01637 89772 81931 04694 32354 53297 91077 96675 95809
93582 91648 29350 16414 11270 78779 67435 64848 97822 05049
=50=
45263 25393 28263 94899 80683 09005 97115 65197 64702 01700
81169 66068 68599 37746 42232 55348 54980 04813 69148 07593
35568 93449 21330 53436 71585 31402 96844 65721 86339 30393
97657 40083 38934 31224 32065 01751 04061 70401 95188 73997
33961 68333 45941 33493 78088 85387 03291 35980 44560 81620
=100=
-1538

CFM NIL QRU? K
BK QRV K
BK QRV K
K
R 947 1542 K
NIL SK

5469 kHz, 05-11, 1535 UTC, CW + FSK 50/500. Heavy interference during the message

CDAP CDAP CDAP DE AIFH AIFH K K
QSA3 ASA? K
QTC1 ZZC ZVP K

Header unreadable
71255 50_02 35668 10157 98473 86_74 _9631 21421 65648 45070

86843 39222 64037 48082 16090 85583 78955 50072 45878 61881
10711 79749 01018 58875 23210 +9317 42_33 12486 60963 93290
92525 87618 58151 68638 49845 15055 05979 65629 69776 06469
21827 56251 97886 96278 14003 62919 05208 15452 55165 85223
=50=
23929 29742 84705 53299 77685 18030 58560 09105 38911 68490
36796 23718 72658 98807 26670 70731 79948 88355 22709 59752
49825 79845 92418 49784 22894 86453 89362 85369 88149 09897
24312 50097 49997 37266 274_1 57036 98601 56267 12901 63090
63928027852 66189 33571 489__ 60271 45450 40947 21359 20499
=100=

-1539

The rest was unreadable

5931 kHz, 05-11, 1535 UTC, CW + FSK 50/500

Heavy interference during the message. The morse part was unreadable.

RYRYRYRYRYRYRYRYRYRYRYRY

556 100 05 1535 2008 =
98504 84557 72133 58286 69146 87387 _0890 10390 61039 43443
71168 80099 26318 60404 94643 61850 84298 72048 59284 85319
82901 16908 70841 23776 _6363 93393 59418 99165 21859 92146
23150 44887 _3716 96874 42175 4320- 42948 _78__ 3738 _93_02
36868 32361 89093 94328 53061 91984 16691 13117 53768 56603 =50=
66782 00332 51506 12438 89579 14221 8_690 73613 812__7779
28925 _7744 19447 2_470 63382 18628 36826 35483 2847_8_53
6779_79340 18676 0_72_38924 42384 18190 09253 22505 7074_
1_228 89078 61238 93830 72274 596__72764 3385__6_8 242_9
72257 _6008 93_7_2728 97891 5+88_1_1__8_23 10369 88102 =100=

-1544=

5469 kHz, 06-11, 1536 UTC, CW + FSK 50/500

CDAP CDAP CDAP DE AIFH AIFH K

QSA3 QSA? K

QRC1 ZZC ZVP K

RYRYRYRRY

664 100 06 1525 1357=
27323 53038 71975 00913 78019 36361 28970 42545 33823 64358
82613 54110 35022 28774 42837 31186 97078 45476 52356 58447
99094 72580 30937 99247 09936 61605 41660 23493 52346 16530
46149 92264 02688 61310 68504 33088 05431 63381 70539 32065
24374 70901 82846 92121 41197 24920 67494 18720 02389 19121
=50=
48487 10123 38099 62055 07735 66480 72822 55388 63883 86502
00906 78238031335 51089 04394 87139 56968 73627 55088 73972
10869 54889 73781 56528 49569 53272 60276 34212 18719 86530
59105 07054 33472 21644 88359 26791 04116 82519 06263 59615
12369 40549 74505 30981 00737 10893 50516 75629 71521 15426
=100=
-1539

CFM NIL QRU? K

OK SLV K

ZVP K

OK SLV K

OK SLV K

BK QRV K

K

R 791 1546 K

NIL SK

CDAP
CDAP CDAP CDAP DE AIFH AIFH K
QSA3 QSA? K
QTC1 ZZC ZVP K

666 100 07 1525 1357 =
34425 89415 67691 13160 13650 12874 12877 56609 36696 92128
15391 53532 27424 18090 12893 40583 59081 36699 81625 16337
57046 30718 26027 36397 27011 52717 56472 12503 32254 18247
98699 87378 14671 98660 19237 96532 53114 29369 19306 51737
74820 53636 90121 84312 25157 02895 78252 23588 49871 97641
=50=
06644 54835 42367 60230 09087 10496 52536 98273 73501 58174
40340 07059 72126 73692 26878 14932 39463 47074 94828 49338
75654 77962 19175041468 08490 45278 05592 06992 12349 80059
15754 90019 04663 96107 34988 06923 03971 38352 46612 12844
79867 98502 90687 93749 98571 10574 04582 27287 49727 61265
=100=
-1539

OK ZVP K
BK QRV K
R 893 1543 K
SK

CDAP CDAP CDAP DE AIFH AIFH K
CDAP CDAP CDAP DE AIFH AIFH K
CDAP CDAP CDAP DE AIFH AIFH K
CDAP CDAP CDAP DE AIFH AIFH K
QSA3 QSA? K
QTC1 ZZC ZVP K

668 100 08 1525 1357 =
81990 04254 08276 35196 27784 14691 37326 54380 90037 67406
02572 03684 83435 20150 37030 92742 66616 93153 65800 32170
30744 75871 03886 69275 53245 59086 01997 58335 65843 72390
06542 39437 23914 66211 88684 05756 95369 79112 84797 18649
74942 44031 62618 71804 29800 83847 81195 63166 24008 10190
=50=
53163 24700 60100 96524 27047 05916 09035 35128 11841 03766
30356 26229 84809 56568 59954 06794 54600 25849 75385 43192
26132 56055 42203 22809 79427 16358 77480 86881 42584 80982
85149 17862 63121 43921 26686 06695 09223 45121 58472 71573
99257 87677 37859 49653 72339 61038 62987 76553 48345 48715
=100=
-1540

OK SLV K
BK QRV K
R 717 1545 K
NIL SK

AIFH AIFH AIFH DE CDAP CDAP K
AIFH AIFH AIFH DE CDAP CDAP K
AIFH AIFH AIFH DE CDAP CDAP K
QSA3 QSA? K
OK ZVP K

BK QRV K
R 678 1540 K
QTC1 ZZC K

[illegible]

717 100 8 1525 7593 =
39648 81794 18697 45579 61493 88910 29660 96912 86359 37986
71828 48731 05403 93768 96473 48949 23321 46311 50232 02505
29141 82386 68957 77354 29543 53461 71226 64778 74827 99032
67032 37783 41455 18874 58596 77785 88221 63163 76052 13147
29873 63038 79072 46590 79563 87820 69105 56227 21011 83050 =50=
32586 01383 08397 98706 42507 23067 74676 01189 03166 13663
03466 69387 17427 33780 62237 32755 14474 41241 20131 09982
66047 04766 92264 07232 11327 90206 50896 17572 40044 58556
72540 38927 73452 99575 83376 47689 05995 59670 52787 69598
71301 44809 84974 24628 76283 72299 56632 51541 39367 84695 =100=
-1549

CFM NIL
SK

5469 kHz, 09-11, 1536 UTC, CW

CDAP CDAP CDAP DE AIFH AIFH K (9x)
QSA NO QSY 94900 QSY 94900 K (11x)
Switched to an unknown frequency

5469 kHz, 10-11, 1536 UTC, CW + FSK 50/500

CDAP CDAP CDAP DE AIFH AIFH K
CDAP CDAP CDAP DE AIFH AIFH K
QSA3 QSA? K
QTC1 ZZC ZVP K

[illegible]

672 100 10 225 1357 =
81990 04254 08276 35196 27784 44691 37326 54380 90037 67406
02572 03684 83435 20150 37030 92742 66616 93153 65800 32170
30744 75871 03886 69275 9324) 59086 01997 58339 4_843 72390
06542 39437 23914 66211 88684 05796 95369 79102 84797 1864_
74942 44031 62618 71804 29800 83047 00__5 63166 24008 10190
=50=
53263 24700 60100 96524 27&47 05916 09039 35128 070__03_66
_0356 262_9 84809 56568 59954 06794 54600 25849 75385 43192
2613_ 56055 42203 22809 79427 16358 17480 86881 42584 80982
8514_ 17862 63121 43921 26686 06695 09223 45121 58472 71573
99257 87677 37899 49693 72339 6103_ 62987 76553 48345 48715
=100=
-1539

CFM NIL QRU? K

BK QRV K
RPT PBL K
K
R 665 1565 K
R 665 1545 K
NIL SK

5931 kHz, 10-11, 1535 UTC, CW + FSK 50/500

AIFH AIFH AIFH DE CDAP CDAP K
QSA3 QSA? K
(unreadable)
OTC1 ZZC ZVP K

R Y R Y R Y R Y R Y R Y R Y R Y R Y R Y R Y R Y R Y R Y R Y

$$665\ 100\ 10\ 1537\ 7033 =$$

678 100 12 1525 1357=
81990 04254 08276 35196 27784 44691 37326 54380 90037 67406
02572 03684 83435 20150 37030 92742 66616 93153 65800 32170
30744 75871 03886 69275 53245 59086 01997 58335 65843 72390
06542 39437 23914 66211 88684 05756 95369 79112 84797 18649
74942 44031 62618 71804 29800 83847 81195 63166 24008 10190
=50=
53163 24700 60100 96524 27047 05916 09035 35128 11841 03766
30356 26229 84809 56568 59954 06794 54600 25849 75385 43192
26132 56055 42203 22809 79427 16358 77480 86881 42584 80982.

CFM NIL QRU? K
OK SLV K
BK QRV K
K
R 901 1542 K
NIL SK

RYYRYRYRYRYRYRYRYRYRYRYRYRY
901 100 12 1535 6107 =
52531 57281 53052 08146 97691 13428 94899 74766 32111 80321
67245 51325 96732 99030 23234 76031 12876 90589 74984 46310
39087 34746 09077 80523 52100 57691 31166 92166 54687 07211
26225 07234 11397 89518 99479 19936 95878 39336 98535 14446
14994 07419 31784 42442 54412 15748 10276 96575 52987 05413 =50=
53832 11533 26170 34402 23679 79597 41921 60556 22269 22140
31956 01207 73040 35737 53543 17893 53468 16043 02478 87516
69466 21381 44192 14413 19603 93460 11467 30136 92375 65916
91218 72226 51227 25037 68150 74710 15117 77485 56340 79423
34071 81373 11436 00985 58220 74750 83945 52229 51778 69873 =100=
-1512{

RYRYRYRYRYRYRYRYRYRYRYRYRYRYRYRYRYRY
680 100 13 1525 1357=
84466 99326 44442 61513 83594 67245 74110 82236 87033 51504
88959 33669 35346 34157 76601 05277 67762 69547 47293 14822
71843 96813 79247 40916 67516 92096 26922 31814 31655 39842
41904 71602 22817 16818 55980 66241 49441 81261 40643 37030
00413 67282 53399 49085 44720 05800 92353 61182 53584 44564
=50=
20892 00902 29556 03012 28778 23279 80089 49169 60135 73097
21508 64101 19337 59887 04719 40350 29191 25556 98721 49338
23406 66891 03342 46001 61235 59584 51913 77968 36160 60862
24349 99860 53344 62270 20848 92190 53417 30938 10145 52999
92278 08230 29360 31246 25739 40152 24643 67480 60118 14158
=100=
-1539

5469 kHz, 14-11, 1536 UTC, CW + FSK 50/500
 CDAP CDAP CDAP DE AIFH AIFH K (13x)
 QSA NO QSY 05328 K (4x)
 CDAP CDAP CDAP AIFH AIFH K
 QSA3 QRU? K

OK SLV K
BK QRV K
R 84 1551 K
RPT K
QTC1 ZZC ZVP K
CFM NIL QRU? K
SK

RYRYYRYYRYYRYYRYYRYYRYYRYYRYY
682 100 14 1525 1357=
43212 65355 52091 33268 42004 68253 49861 22850 52252 50778
51053 44391 83079 31339 39176 54924 79705 14163 45844 70513
46286 13208 67749 47473 91808 27800 16964 57077 06670 62729
23313 15397 30448 01521 42712 79463 58681 21750 60305 13677
93066 25581 85276 31728 89839 54443 23740 38518 91310 14197
=50=
99604 77841 46732 98069 85338 35376 28808 19813 97180 37936
03157 21478 29891 72073 48177 31626 25060 98155 17606 79896
33443 38402 24940 23058 57739 30830 67523086348 89273 39935
91474 30736 99541 85921 72009 45150 64101 85478 06952 05729
19139 17422 50982 08745 56343 66958 88002 93967 43733 95460
=100=
-1555

CFM NIL QRU? K
SK

5931 kHz, 14-11, 1536 UTC, CW
AIFH AIFH AIFH DE CDAP CDAP K
AIFH AIFH AIFH DE CDAP CDAP K
AIFH AIFH AIFH DE CDAP CDAP K
Switched to an unknown frequency

5469 kHz, 15-11, 1535 UTC. Not heard
5931 kHz, 15-11, 1535 UTC, CW. Active but barely audible

5469 kHz, 16-11, 1536 UTC, CW + FSK 50/100
 CDAP CDAP CDAP DE AIFH AIFH K
 CDAP CDAP CDAP DE AIFH AIFH K
 CDAP CDAP CDAP DE AIFH AIFH K
 QSA2 QSA? K
 QTC1 ZZC ZVP K
 RPT K

RYRYRYRYRYRYRYRYRYRYRYRYRYRYRY
685 100 16 1525 1/ ++
(nothing else heard)

5931 kHz, 16-11, 1538 UTC, CW
ZVP K
ZVP K
BK QRV K
BK QRV K
ZVP K
ZVP K
(nothing else heard)

5469 kHz, 17-11, 1536 utc, CW + FSK 50/500
CDAP CDAP CDAP DE AIFH AIFH K
QSA2 QSA? K
RPT K
QTC1 ZZZ ZVP K

R Y R Y R Y R Y R Y R Y R Y R Y R Y R Y R Y R Y

CFM NIL QRU? K
OK ZVP K
QRV K
K
R 397 1545 K
SK

CDAP CDAP CDAP DE AIFH AIFH K
CDAP CDAP CDAP DE AIFH AIFH K
CDAP CDAP CDAP DE AIFH AIFH K
CDAP CDAP CDAP DE AIFH AIFH K
QSA2 QSA? K
QTC1 ZCZ ZVP K

690 100 18 1525 1357=
35117 32770 69033 65410 84223 42630 17748 7806
44837 42483
76918 25289 4984: 63499 12317 25966 25426 36477 54830 41382
41493 21039 66510 16675 32125 16947 10089 52065 04375 30328
17021 84090 70178 05031 00859 35289 29652 83604 87496 30153
43025 27265 19594 99979 35875 72700 27329 04640 37107 59846
=50=
89287 75168 18550 67622 87908 87772 67185 07325 35382 56038
41733 52151 51861 59083 53883 15938 77170 72487 53031 19239
58368 87382 37974 14764 63997 02856 92448 33781 94801 32720
10301 22427 02068 89180 47458 50222 05455 68922 72490 39267
23788 73897 21268 94886 17056 10659 57225 09080 92138 02502
=100=
-1541

CDAP CDAP CDAP DE AIFH AIFH K
QSA3 QSA? K
OTC1 ZZC ZVP K

692 100 19 1525 1357=
92794 83705 54331 22049 17312 46277 37906 49139 68512 63479
59710 15843 67078 63977 05756 13172 13404 41955 43340 86004

CFM NIL QRU? K
ZVP K
QRV K
K
R548 1543 K
SK

5469 kHz, 20-11, 1536 UT, CW + FSK 50/500
CDAP CDAP CDAP DE AIFH AIFH K
QSA2 QSA? K
QTC1 ZZC ZVP K

CFM NIL QRU? K
OK SLV K
OK QRV K
K
R 778 1543 K
NIL SK

RRYRYYRY
696 100 21 1525 1357=
17515 95181 29097 96292 12247 23537 57408 09530 77996 90431
77491 33699 44604 42616 60370 26062 45987 01090 95675 13875
45592 51180 32722 44353 66844 67746 40109 67377 52124 37094
67041 62966 50892 85032 78610 04925 38265 64770 44343 52877
25788 00493 05341 82769 82438 98386 02381 18359 67424 50658
=50=
83246 13643 46674 90428 41783 16501 48682 49705 35214 60534
57525 04364 42400 84057 70491 88351 82855 56194 73636 61288

CFM NIL QRU? K
BK ZVP K
BK QRV K
K
R 115 1542 K
SK

CDAP CDAP CDAP DE AIFH AIFH K
CDAP CDAP CDAP DE AIFH AIFH K
CDAP CDAP CDAP DE AIFH AIFH K
QSA1 QSA? K
RPT K
RPT K
QSA1 QSY 9499 QSY 9499 K
CDAP CDAP CDAP DE AIFH AIFH K
CDAP CDAP CDAP DE AIFH AIFH K
RPT K
RPT K
RPT K
QSA1 QSY 9499 QSY 9499 K
CDAP CDAP CDAP DE AIFH AIFH K
QSA2 QSA? K
QTC1 ZZC ZVP K
SLD

CFM NIL QRU? K

QSA2 OK SLV K

RPT K
OK SLV K
BK QRV K
K
RPT PBL K
ZVP K
ZVP K
R 024 1614 K
NIL SK

5469 kHz, 23-11, 1536 UTC, CW + FSK 50/500

CDAP CDAP CDAP DE AIFH AIFH K
QSA3 QSA? K
QTC1 ZZC ZVP K

R Y R Y R Y R Y R Y R Y R Y R Y R Y R Y R Y R Y R Y R Y R Y

700 100 23 1525 1357=
700 100 23 1525 1357=
700 100 23 1525 1357=
13284 72448 15753 36754 84404 39254 18757 33989 89476 73470
05447 08725 16301 03623 52329 11260 46691 31124 83233 56928
29073 19567 70339 69191 79513 06118 96013 32408 18973 03235
42413 93007 01302 66518 54841 25760 22383 60962 67419 89530
69545 88255 39768 34021 20063 95270 53129 70896 34522 55759
=50=
08106 41398 44376 54636 48222 57023 92334 19558 61410 06791
35177 42546 05058 48005 06657 77648 79498 35181 70687 74674
17204 29285 07668 40350 45135 02989 60882 52170 69046 88626
88313 82590 65276 42879 15019 61845 63694 99858 93630 28225
35346 22027 58219 08878 78131 27169 90526 34859 71712 90577
=100=
-1539

CFM NIL QRU? K

OK ZVP K
BK QRV K
K
R 573 1543 K
SK

5469 kHz, 24-11, 1536 UTC, CW + FSK 50/500

CDAP CDAP CDAP DE AIFH AIFH K
QSA3 QSA? K
QTC1 ZZC ZVP K

RY

702 100 24 1525 1357=
34066 39252 46721 74957 50364 05807 95194 95510 77849 02619
36064 68060 76707 39483 45252 25686 53571 93110 18800 54222
78093 21881 75443 75887 89780 86408 87688 02000 39683 15194
00598 77439 22812 71591 72132 66096 69619 61814 05886 17788
15141 50752 51135 20613 03811 72160 97521 88465 81795 44705
=50=
02085 37744 96170 55013 69750 29411 11511 15901 32769 83606
06773 81444 56539 86698 84071 17688 30409 00245 62337 21313
19746 05475 42784 60705 28771 41592 02376 08267 90170 75146
88655 81950 15474 17235 14541 52786 56513 21618 85532 04149
68332 50449 11784 12676 66129 54580 46879 14958 08986 41128
=100=
-1538

CFM NIL QRU? K

OK SLV K
BK QRV K

OK SLV K

R Y R Y R Y R Y R Y R Y R Y R Y R Y R Y R Y R Y R Y

710 100 28 1525 1357=
52352 61898 43318 80696 46482 10753 61798 17907 76027 93952
71822 25201 56458 26538 41453 36623 12694 82114 48083 02066
80957 48533 84555 13726 37765 06024 63758 49822 10667 27310
97963 49143 62637 49931 14403 14247 26412 78314 77732 60355
59119 42577 21395 78539 92685 05742 21142 00459 30189 86731
=50=
94353 06082 22348 56914 05633 71166 45173 60188 32266 11524
12976 54980 63892 15223 25571 48410 84401 05725 98077 38270
72549 80743 93753 08070 57866 71518 78054 13788 29305 80580
55953 52623 70395 71861 89131 81331 50945 42714 08439 92001
20254 35580 94088 54245 74519 53373 49566 91170 18438 40274
=100=
-1542

CFM NIL SK

5469 kHz, 29-11, 1534 UTC, CW + FSK 50/500

CDAP CDAP CDAP DE AIFH AIFH K
QSA3 QSA? K
QTC1 ZZC ZVP K

[illegible]

712 100 29 1525 1357=
89880 18492 42150 43800 63031 99110 01909 92851 21536 59030
20535 62676 60760 77473 89434 31354 57602 19578 16882 17974
25591 14279 82653 98466 29239 66753 10191 20567 44029 51817
63608 68453 08517 65833 77770 94395 37119 99744 24327 06202
58147 13274 90101 02378 70420 13855 02328 35272 86409 82312
=50=
10253 48825 35797 74491 90732 83414 64701 06109 63654 53894
98492 89533 21992 11821 91656 10112 83044 43526 84785 11625
91659 58180 36541 10462 27817 35817 00822 77635 86252 56395
73266 91175 80712 52945 54490 84835 31057 66883 38619 08224
99938 12415 95892 57967 41824 95337 93688 61003 81062 24130
=100=
-1538

CFM NIL QRU? K

ZVP K
BK QRV K
K
R 621 1542 K
SK

5469 kHz, 30-11, 1530 UTC, CW + FSK 50/500

CDAP CDAP CDAP DE AIFH AIFH K
QSA3 QSA? K
QTC1 ZZC ZVP K

[illegible]

714 100 30 1525 1357=
50059 39371 87809 35772 98069 07007 45062 90229 52634 79958
46742 86916 85481 87101 08383 98293 15109 30521 30679 88810
02852 45066 59161 29273 50620 70851 87593 03801 68374 61608
96078 24000 31712 21520 88117 80840 65693 61984 92795 91664
14458 23809 09470 95114 70841 33511 92637 67040 14183 19940
=50=

52338 46299 50116 17333 55063 57264 31664 42200 14457 06761
21620 11966 31897 46196 52207 02590 71456 69655 29620 57868
54076 89058 12270 03968 40925 07285 03903 50266 39056 27115
97519 01841 46739 09945 79406 24338 84565 76853 21995 01627
11771 31674 47013 80268 58969 69021 85272 60329 98721 00228
=100=
-1538

CFM NIL QRU? K
OK SLV K
BK QRV K
K
R 131 1542 K
SK

Other M42b nets

4816 kHz, 08- 11, 1728 UTC, CW + FSK 50/500. QSX 6770 kHz
DATZ wkg VFGK
QSA NO QSY 71131
QSA NO QSY 72599
ZVP
RTTY message
QRU NIL SK

4561 kHz, 08-11, 1620 UTC, CW + FSK 50/500
G3WM wkg SK8I. Operator chat in CW, message in RTTY. Poor signals
RYRYRYRYRYRYRYRYRYRY
951 182 8 1700 4368 =
98947 73741 92817 6003 59016 83591 9653 94842 95419 74210
33687 8936 22231 02826 31699 18222 16469 56903 35171 82500
01658 47812 44503 53003 22898 45202 25196 14146 61812 29923
20144 48627 48093 06362 05946 87770 5425 986 66124 46328
16783 56807 23416 52696 2427 5231 145703
=50=
531 86182 52380 110 09358 69740 72207 11363 86457 09737
4615 42018 80378 79079 971 16562 42072 36997 58867
81323 68535 1272 83214 84236 70517 05946 19058 68679 83234
43820 88772 63409 09826 5236 63335 67127 37915 15184 64095
7610871509 40563 47854 28337 45427 02051 54929 62581 14424
=100=
52995 24894 53810 25166 89001 37881 8901632 55780 35214
84574 45819 52767 1596 23391 88366 31160 52911 16519 13518
41880 68341 87872 66605 15373 08404 12794 22355 90379 67362
40404 90421 1034 13493 41847 50319 66917 49845 32836 57935
01072 962 90810 98453 50391 37191 24378 39238 98231
=150=
91993 56350 88808 94155 09532 214280089 828 864 63543
43468 20880 10077 57795 85261 92960 38306 99289 00642 40157
77990 01059 31985 21527 69042 94407 42929 32695 352 40036
17087 66685
=182=

-1713

5742 kHz, 10-11, 0826 UTC, CW
ZFGU wkg BOPK
QSA NO QSY 84459

6821 kHz, 10-11, 0839 UTC
ZFGU wkg BOPK
QSA NO QSY 67848

P07

8136 kHz, 03-11/06-11/10-11/13-11/17-11/20-11/24-11/27-11, 1500 UTC
8074 kHz, 03-11/06-11/10-11/13-11/17-11/20-11/24-11/27-11, 1510 UTC
7504 kHz, 03-11/06-11/10-11/13-11/17-11/20-11/24-11/27-11, 1520 UTC
6821 kHz, 03-11/06-11/10-11/13-11/17-11/20-11/24-11/27-11, 1530 UTC
5848 kHz, 03-11/06-11/10-11/13-11/17-11/20-11/24-11/27-11, 1540 UTC
5112 kHz, 03-11/06-11/10-11/13-11/17-11/20-11/24-11/27-11, 1550 UTC

XPA1

13875/13375/10875 kHz, 01-11, 1310/1320/1350 UTC
838 838 838 000
05691 00001 00000 34666

13875/13375/10875 kHz, 06-11/08-11/13-11/15-11, 1310/1320/1350 UTC
838 838 838 1 838 838 838 1 838 838 838 1
00631 00141 83857 08058 25345 50600 89337 12423 58996 18913
77972 37188 13496 11277 17091 66612 04313 61682 84145 40378
87565 13619 52858 23584 89976 84520 07034 23560 47004 21883
64018 12460 52499 57733 65296 35188 77444 37000 45388 29960
83713 43124 21467 17510 16296 39386 48538 06423 70305 42331
59906 97430 76462 36423 11892 75414 83347 74703 85347 17387
45838 45974 82641 89875 58595 54705 39954 20392 37404 92091
86299 85985 57466 63348 18447 87189 13174 29220 99855 10584
85361 52336 44166 48952 50951 68443 47314 03665 84678 50503
72433 19992 65453 91641 83729 06363 25986 40928 74624 34333
08303 89485 51903 07773 43073 87213 69688 38450 32663 79086
22460 21580 67499 44531 97154 17943 78413 90797 56008 88679
42155 87680 03649 67798 40062 57229 28246 40506 36777 38880
33644 38159 37826 46006 48111 36079 22889 72238 15399 38487
34879 38359 81566 20572

13875/13375/10875 kHz, 20-11, 1310/1320/1350 UTC
838 838 838 000
07782 00001 00000 35667

13875/13375/10875 kHz, 22-11, 1310/1320/1350 UTC
838 838 838 000
01296 00001 00000 35262

13875/13375/10875 kHz, 27-11, 1310/1320/1350 UTC
838 838 838 000
05183 00001 00000 33265

13875/13375/10875 kHz, 29-11, 1310/1320/1350 UTC
838 838 838 000
03921 00001 00000 36255

XPA2

10653/9353/8153 kHz, 1100/1120/1140 UTC

10653/9353/8153 kHz, 01-11, 1100/1120/1140 UTC
04164 00001 00000 33662

10653/9353/8153 kHz, 05-11/08-11, 1100/1120/1140 UTC
00412 00032 79537 62006 68955 09764 36962 91636 80213 39248
75924 27016 95252 21101 26938 13808 37735 35582 76664 90723

90247 11641 93352 33804 48803 69192 85628 79168 09672 43966
85377 91715 51803 31176 07163

10653/9353/8153 kHz, 12-11/15-11/19-11/22-11, 1100/1120/1140 UTC
10653 kHz, 15-11, 1100 UTC. Off after group 64

09319 00088 18183 57994 23145 35900 23409 31564 09337 48383
02218 55621 94705 38650 47092 73750 95926 08928 67138 14303
76997 95861 93951 72207 48197 53746 89206 73170 30757 44458
70312 53187 71047 01911 98540 48604 34459 65824 52659 98034
78347 08889 62897 40865 17678 45642 94620 35061 79042 74350
64996 08653 56684 17659 38901 08718 89672 75314 92384 90052
62883 19457 61185 97236 94391 39254 37853 63779 56092 65477
35784 77427 86506 97700 29468 99405 58011 89601 59918 04541
66838 46750 64446 44476 28956 79959 31396 68579 92894 49941
26221

10653/9353/8153 kHz, 26-11/29-11, 1100/1120/1140 UTC

00538 00144 53741 37575 60155 31749 75037 27431 94323 86415
99757 17226 90784 86775 32927 24403 37850 28079 56643 08582
15744 62477 83811 90114 45541 18663 60207 97229 97707 21962
77188 52486 83066 31917 30455 43984 95073 83106 70005 15349
62223 82385 20445 10808 33742 46130 47948 91100 13094 79727
21757 38605 35242 56200 56880 76048 76070 60638 00955 86713
79029 88406 14414 68945 99917 81335 03325 72609 66152 86224
18065 51473 34699 95506 39383 86460 28223 00042 68476 83688
35349 66075 15069 45057 90644 80350 10587 37429 36382 76935
76058 84516 80194 65174 52892 90186 35730 45668 29274 22338
21538 18664 17217 13460 81697 12884 54854 07895 88446 73041
00318 87405 45221 59092 87631 79008 06303 00157 98721 17731
02787 59803 82258 25743 43008 36835 97853 85211 57559 07474
04243 08238 60481 95382 04156 68193 12901 40907 40937 03122
37185 10354 36974 62127 50206 05182 76000

13968/15968/17468 kHz, 1200/1220/1240 UTC

13968/15968/17468 kHz, 01-11, 1200/1220/1240 UTC

00666 00231 94453 81397 61264 16219 62367 66399 93083 04611
99955 20694 94333 71296 79318 33059 10876 76596 33185 43151
74137 73640 10980 30145 19598 75993 09429 49197 55108 86806
22666 68835 30093 74538 10367 58077 07260 70549 32187 02720
66913 49632 11851 16940 42933 57649 81406 39962 65018 43079
39359 23221 34912 38498 19511 82512 63520 37196 71166 34150
53694 04227 18407 41729 84337 48204 09182 42665 71523 47622
98759 00438 56034 26142 28777 94643 59326 07722 13101 43311
30784 13022 54393 21215 80450 00473 59180 85143 62556 51286
60190 96748 70356 83443 86719 13542 24587 48299 08294 24689
73743 37774 31704 95408 16794 61394 16720 91249 59312 81093
56902 71282 77629 93261 29461 46119 43248 22416 33705 95072
05296 99129 15710 35915 31627 52834 22896 13770 44001 27789
71417 23023 94807 59272 17507 27976 42841 15739 53342 94179
54889 14971 40964 64040 21614 00295 22201 79504 70230 80583
44231 25391 41814 35984 48293 68227 09756 64927 94255 20568
08631 42749 67821 39613 07197 08549 63009 94246 79595 18829
26142 05006 11180 88252 65416 87215 46086 14685 88974 74080
84222 72957 84388 19527 41639 49894 34131 31561 74380 80172
91919 93856 01623 15828 81410 46471 30920 57957 11702 93552
00938 45068 39268 13730 88958 50088 60873 57340 66031 16918
40520 20403 69869 21717 92181 34121 22329 60146 98822 67837
65782 01517 31830 82484 62481 40751 52697 13015 29209 08979
49495 92033 09665 44606

13968/15968/17468 kHz, 06-11/08-11, 1200/1220/1240 UTC

00725 00213 10760 82696 51411 41969 25175 51357 96349 90394
85895 38348 64854 67414 04087 48561 54725 44997 08039 39396

45471 02808 11762 42899 89019 83258 97825 60217 21798 35766
75508 98911 35631 13309 07822 28724 69585 05956 43763 14909
94690 20424 99762 61463 58555 85786 33684 75683 02361 14279
01405 82826 78741 71780 35439 63984 19863 40658 10242 77521
67278 64642 49394 15769 44935 70898 82125 99902 74742 25677
34550 62290 74988 55486 22877 66906 77324 36489 44481 34923
27330 41657 42381 75701 61913 23648 21701 43722 66111 01806
45924 91257 85171 31588 80854 60408 64917 74387 09446 26270
50121 48528 52670 56030 63429 26137 64367 12763 48901 13733
28922 68942 01573 74743 22883 11538 16253 24006 42878 23209
48268 25344 27747 23055 87555 37874 75696 51367 56380 18529
56071 09564 16457 97876 81648 66630 54104 31309 88898 37570
06968 77660 42239 64908 46943 26461 77077 52065 52496 29865
80052 81517 53108 55638 78644 41585 85278 38457 45190 29584
22255 66269 77924 27857 41488 71919 93736 27930 21647 43960
05239 69478 19691 98106 20134 01245 93217 51452 44508 26434
78392 12369 03393 52044 45706 62011 76729 87098 95131 87325
83065 19145 42255 58183 71316 23746 88900 10717 32661 22857
04100 19613 33800 81351 45286 37036 98086 05799 73766 74055
36630 24064 45230 12186 08964 23356

13968/15968/17468 kHz, 13-11/15-11, 1200/1220/1240 UTC

00707 00147 21527 02836 52316 93600 30489 39767 30650 80585
83589 96464 05242 02560 50352 09246 95587 15970 66209 43663
30834 82324 07075 28208 95125 43657 13040 08207 03346 21743
15181 79114 32119 70112 41533 40732 59699 51409 85204 54727
43642 58808 04558 27726 03911 01690 75101 27757 95349 75850
17371 48759 93117 10295 20682 22643 95668 49734 19307 45738
41827 29917 89784 37062 75576 24500 68230 10911 16097 15769
18563 92181 60804 04337 22400 64641 64881 38061 65211 12046
31135 39298 84875 67507 99093 92954 74768 25523 08405 58157
46990 32177 08497 36378 85461 42524 29392 27912 04551 31843
13946 37717 86428 77139 31938 45696 85219 68162 22701 95437
76028 98517 00156 05325 19936 01783 89100 63204 92583 81200
20575 91548 83122 61245 88577 20344 31388 75615 85080 73196
80848 17885 53486 20150 51816 35381 54074 52621 77357 51723
56178 20990 59626 05308 58062 32139 36804 33812 17621 64144

13968/15968/17468 kHz, 20-11/22-11, 1200/1220/1240 UTC

09580 00212 32934 07513 02520 36019 10661 38624 01970 11216
75746 60685 32178 93917 02316 89384 34130 63909 39911 89487
64931 74501 61144 76186 29966 18067 39081 44098 07548 46243
13291 18707 59472 68646 94378 25832 02368 63129 46246 61167
07164 96333 35038 47963 43594 55144 81404 43007 83245 08239
65981 26288 01881 72603 03297 01726 07983 63462 90162 64826
54660 41119 91862 19712 00860 19825 91672 00720 52408 71604
30598 18200 84283 14965 25594 96782 14920 80620 84102 41391
94704 05695 38360 48943 61743 67500 48691 33576 11917 04475
61121 68477 59481 99172 18295 37589 66963 17349 50533 17568
19523 75029 73815 76588 88814 11450 69085 29379 40183 88525
00852 59262 06149 30105 12123 07192 80823 75800 96442 92896
01582 89141 85203 42213 92029 44579 73783 86135 01884 65177
91981 89103 58651 19153 31068 47143 42394 07374 75801 79209
55031 60571 39813 43032 32423 53014 87290 05534 71456 87554
82668 17586 08824 98927 57781 06528 92440 39257 28382 38292
50145 05815 00761 20891 27632 92306 40211 24197 15118 72112
01089 59713 40470 93883 80287 14917 50633 24909 03644 78473
11308 48726 22287 92961 52815 72895 73876 10119 22100 17763
96204 40027 81440 87095 43997 34638 03949 97110 08003 75588
41309 87096 23414 04141 66280 84617 27331 01331 72184 11922
24942 68545 03915 89401 37707

13968/15968/17468 kHz, 27-11/29-11, 1200/1220/1240 UTC

00171 00074 11280 34318 05504 71716 07076 67947 32658 26688
44768 62924 28038 50202 54228 37970 99693 86816 57278 52035
76640 69923 53406 10684 05536 81895 05871 21581 98344 28733
66753 35556 76144 21195 10728 62472 74877 24992 33924 85699
65924 20863 18951 61580 95007 88058 83482 43427 12252 82242
09118 58079 27715 19851 50967 56147 13966 09242 41365 30610
92865 72305 23713 98677 27969 61027 39947 60399 29000 00385
47102 68199 97959 41613 23880 20237 13055

15985/14885/13885 kHz, 0910/0930/0950 UTC

15985/14885/13885 kHz, 02-11, 0910/0930/0950 UTC

03141 00176 63642 56265 84396 07287 28928 72687 35263 36290
80519 69564 79935 38595 79841 78288 12972 55453 62886 41759
98089 20190 70634 84096 73099 36297 48578 04749 00158 78802
80746 83558 70439 80568 38722 81394 42978 11782 54928 81993
87394 90821 38097 56658 85110 09313 12300 58362 81447 86273
55868 61468 56275 87810 54724 09125 49485 15817 01726 45366
68016 54741 42266 01013 24643 94023 47534 36617 56523 02157
91890 71635 19352 02727 41426 76555 22275 98922 28313 23978
38079 40449 22391 87916 46595 55265 47940 25199 97770 28819
70206 43989 55347 83255 73348 92205 12321 04753 14668 96361
75315 97542 05571 98970 24998 14505 40014 94113 79269 18982
81263 49766 30180 03096 84638 16969 14253 90192 94827 85305
16602 14787 67952 49902 28695 32107 50967 48314 99699 27805
99781 16943 22760 26435 54765 71613 55990 58530 83741 14065
11103 50241 02048 45716 36684 88006 30944 93968 20068 34772
37606 93341 78074 17611 90271 09970 13053 48999 17276 62920
30774 59314 25917 70758 03113 24830 32029 07054 86463 23866
59964 09857 77429 36927 33497 83351 52092 76243 51317

15985/14885/13885 kHz, 07-11, 0910/0930/0950 UTC

07462 00001 00000 33265

15985/14885/13885 kHz, 09-11, 0910/0930/0950 UTC

05664 00001 00000 36263

15985/14885/13885 kHz, 14-11, 0910/0930/0950 UTC

03969 00001 00000 42261

15985/14885/13885 kHz, 16-11/21-11/23-11, 0910/0930/0950 UTC

09778 00180 12118 50456 17677 98816 13981 40925 44530 26428
31036 97120 40398 41616 21498 57622 55452 59057 38365 28820
53974 18904 67840 35289 61174 80141 41843 48550 41687 78121
50757 59814 60438 14692 10881 42580 17820 79941 24023 90294
10969 39785 55282 42358 93049 24538 99464 877111 1838 64065
44582 58700 31119 72091 41184 83306 01651 57804 04157 12831
37201 00994 59837 35967 04075 85118 70046 76725 51870 25008
48504 49813 26431 21027 61050 63472 46448 51481 78871 32828
93057 06765 36376 64610 29642 47302 58467 57048 24055 39782
90710 39029 21779 15979 76517 12300 32999 74249 69713 15719
12563 06758 55263 83436 47505 00767 71193 32432 57689 42166
79541 11669 23254 18216 73438 86960 60469 64853 07955 67833
72676 10207 00557 10588 35173 57575 93788 98447 50095 22250
52756 58309 49552 92719 23563 71323 53149 73650 49332 79304
30792 49468 95199 64271 51090 30534 28917 34536 51927 64990
85706 21282 86262 05298 81780 28102 27218 57265 46636 29913
49317 73850 92068 86853 88438 34204 06217 70377 59452 55131
36452 26837 62972 60648 73334 83496 44009 26800 24843 91915
62242 45078 63256

15985/14885/13885 kHz, 28-11, 0910/0930/0950 UTC

00101 00079 26595 92157 84809 65347 24871 03745 37251 04980
68091 05041 05421 64264 71053 50108 92095 06465 09798 28024
28667 58707 43647 54893 21173 00516 65115 29140 32925 68374
20966 10421 41711 75737 46696 63015 81915 81090 03727 61037
73597 50275 05415 54219 16748 70208 95489 69475 38487 45685
31277 52532 85693 94603 39418 84984 37310 41320 27609 72878
17583 94079 01314 92074 86984 08343 64555 37493 75608 13620
31589 53042 35689 35699 70351 77443 51535 80294 52262 23269
70426 43155

8126/6826/5326 kHz, 1600/1620/1640 UTC

8126/6826/5326 kHz, 02-11, 1600/1620/1640 UTC

08818 00001 00000 41261

8126/6826/5326 kHz, 04-11/09-11, 1600/1620/1640 UTC

00409 00228 00062 83861 35437 02036 49619 50780 60966 85952
85980 11380 50915 71780 42792 38249 59478 12484 71096 33267
51891 01564 60260 07087 77442 08463 22583 84683 68904 73295
22771 05634 50845 83718 98953 85465 79163 70179 18155 10695
15612 65147 20905 62466 69634 97027 59536 35934 28604 08609
46237 56647 47486 62744 43415 92455 41149 81310 38179 43015
53886 30269 82690 21827 25401 11107 50768 43380 56181 20912
15269 81702 56795 39471 89728 83907 53406 97581 97145 37046
26416 76866 62309 53089 36030 58985 70245 78911 68569 58808
41560 39873 68948 57868 93192 23410 90162 81121 31595 64797
89808 72192 43327 09176 30337 76470 44115 15243 67973 86349
78068 22398 42520 97440 21449 54821 40477 09459 56971 88142
74479 19583 19631 93370 41000 03891 53467 51734 92381 87640
16294 03972 76699 09173 16950 48048 10296 47070 20680 14244
69912 29618 98379 01383 20139 90477 78073 41500 27971 15697
29477 79453 29401 62525 27263 97408 61079 72800 06044 05669
75553 39678 95703 68228 42535 04543 37539 25057 66484 99031
49451 90274 52006 69893 28858 22088 00458 85000 46989 67917
57717 17085 10830 75269 45999 23393 50052 58254 56018 68594
59280 62020 13361 02568 77481 73124 45413 70741 77002 78599
24634 63069 27572 97114 38393 03366 43927 02477 16124 21982
57681 29134 63400 79379 28246 69816 33070 37054 56824 16628
48342 05576 72359 22251 40062 93022 65283 67486 04091 90474
67535

8126/6826/5326 kHz, 11-11, 1600/1620/1640 UTC

05937 00001 00000 41260

8126/6826/5326 kHz, 16-11, 1600/1620/1640 UTC

04368 00001 00000 36662

8126/6826/5326 kHz, 18-11/23-11, 1600/1620/1640 UTC

06257 00157 87834 23785 64772 36023 84816 19891 27113 45528
95038 58057 21388 27722 44115 49624 31910 91266 23005 25112
02806 97208 43652 06490 82933 08578 87567 98921 04116 75929
49123 46297 64922 62640 78744 18789 45727 53612 19275 90225
31719 55378 79803 73768 82052 06288 36586 40092 31561 11923
53808 15223 94184 48155 16727 85311 43168 49826 87886 31585
59055 39322 54748 35581 62204 12377 50773 05508 97606 94392
40217 46694 90560 91874 86823 75108 63040 04706 40861 33904
89963 59729 50554 71747 39624 30539 82007 05387 62823 44407
11774 50175 26951 19343 94658 09504 34745 53530 10342 94156
09405 97245 76085 24496 71885 67997 52129 72712 45107 98703
35185 77807 91262 83788 08359 56515 29944 76748 94833 58902
43981 82960 35131 69949 36678 55865 20103 87806 45689 73421
21936 22022 90802 85468 96407 66818 93207 12270 47115 46212
69418 42290 66510 14987 62921 11737 53289 95814 47501 62537

80614 58059 65029 59177 11327 19269 66976 63797 22216 37217

8126/6826/5326 kHz, 25-11, 1600/1620/1640 UTC

05054 00001 00000 33262

8126/6826/5326 kHz, 30-11, 1600/1620/1640 UTC

04765 00001 00000 37262

11529/13429/13929 kHz, 0800/0820/0840 UTC

11529/13429/13929 kHz, 04-11/06-11, 0800/0820/0840 UTC

08800 00128 14848 54960 27774 71028 09348 30700 17356 52651
85043 16248 12405 72290 64156 97029 73388 22224 46445 69623
99268 27682 04939 88524 75198 34960 31610 68948 70951 89575
38436 08099 46520 98237 33248 27553 33089 62036 73126 27187
22500 51057 97739 15459 72942 71010 10125 29578 09535 73746
35152 51150 45031 50337 23979 40632 43434 78252 61475 14956
13128 00707 96656 60887 63342 05513 54156 30370 60330 42411
26323 33816 06037 45450 64721 83593 40253 85283 05430 59792
49087 86886 79995 55575 64411 79975 91260 62601 77130 93172
29545 50052 97542 31329 60811 37437 88047 98557 44849 04845
48872 74254 20197 62840 80733 50454 66811 98603 25307 65548
17116 86026 61128 65188 30350 75507 68925 39309 59861 92775
92377 57202 60077 69393 27099 55759 99215 17589 28975 04582
43741

11529/13429/13929 kHz, 11-11, 0800/0820/0840 UTC

04973 00001 00000 37263

11529/13429/13929 kHz, 13-11, 0800/0820/0840 UTC

05996 00001 00000 40666

11529/13429/13929 kHz, 18-11/20-11/25-11/27-11, 0800/0820/0840 UTC

04255 00115 80170 57414 50994 03381 16377 89216 75922 65152
78344 53473 92673 89794 40504 53876 88724 09683 54188 55820
37911 00399 14974 72692 98081 85943 19329 41467 64052 91074
49593 50422 07310 39122 08651 99414 15427 09953 76726 09841
90142 27616 65724 69379 45370 33517 98457 46046 55733 66099
28754 51570 53992 69407 84722 80035 52369 62113 20140 72614
87234 83388 84032 07740 31967 23881 60191 63552 89765 01174
26774 45224 32078 78164 38941 13919 78007 10495 15831 56920
09044 32275 38664 43844 97676 98629 84134 88377 91761 48910
99276 64365 06807 63456 28967 04280 01318 67813 88513 30765
33115 68681 56226 71970 59436 78394 04703 27332 09673 52441
86011 29281 89661 78417 61114 71840 84073 54037

17413/15852/13363 kHz, 0910/0930/0950 UTC

17413/15852/13363 kHz, 04-11/06-11, 0910/0930/0950 UTC

08210 00114 04174 31319 87316 36374 38684 56862 79876 23491
76337 92164 70698 73515 70683 68479 45659 72950 00504 96500
30847 04003 03495 75020 25181 07917 19035 32022 89675 17057
07916 77058 81342 62195 71756 95662 62637 94088 55576 83140
53474 73900 08411 55912 26379 35059 54433 96397 94569 53929
18753 68979 87639 55363 58342 50078 83439 60774 29451 55762
62777 81508 76234 59524 89564 21922 29733 90357 69491 38599
97799 34363 96076 42553 31104 31730 57342 28003 93321 99453
73149 25334 21516 83268 03744 69941 70879 01665 77782 55305
66831 60571 58200 79619 95680 85658 94104 70393 15568 86856
29072 50012 74846 40438 67257 43577 17551 30588 50399 90576
13438 22017 07717 95941 14227 94254 25400

17413/15852/13363 kHz, 11-11/13-11, 0910/0930/0950 UTC

06043 00035 74189 21904 72805 18806 04161 01051 35097 20889
87210 14934 63620 59489 20559 47086 00798 35193 84224 19400
13614 97627 16361 17419 15212 03092 51847 92922 09272 51614
34235 45105 87271 63966 93999 14548 12310 72325

17413/15852/13363 kHz, 18-11/20-11/25-11/27-11, 0910/0930/0950 UTC

08698 00167 75244 12126 46175 33604 31344 80196 44396 50364
56797 43867 69562 50617 58745 27362 64056 87980 47844 32326
01962 19532 74681 01426 08093 98546 67757 81296 96691 64497
89256 93591 89813 66237 71000 70899 43695 43425 91946 31787
85920 78274 40429 99729 74288 87258 89268 86390 24219 77284
42161 95754 79336 84311 05871 83080 44781 63747 99976 83016
96922 89293 75887 84374 87238 31070 73629 33210 94189 47916
72372 17954 22427 63025 52919 95692 26729 96154 66592 87547
67460 96503 97321 22502 59024 80678 69751 56251 89024 88889
85509 86808 33081 38135 65671 00202 47112 28350 52789 58063
58143 75250 23210 63542 30495 99595 15114 50047 33368 78706
48514 69659 28124 21365 70829 31801 35318 43120 82081 18972
57766 72955 73308 72145 06072 95692 42757 51313 89790 74501
72726 07634 98601 74820 92795 15306 14498 05665 49768 49073
12353 31014 35509 17427 05065 21533 17141 01749 42457 49897
09078 15956 81890 50377 23706 22404 45067 29385 49548 28830
37804 30071 62433 59292 23643 15659 62223 92914 02701 26017

10223/9223/8123 kHz, 1600/1620/1640 UTC

10223/9223/8123 kHz, 05-11/07-11, 1600/1620/1640 UTC

08707 00248 98380 90242 51830 69476 10360 30001 38149 18876
58395 03623 35415 88725 73260 39973 09253 19734 87552 32893
25503 54256 51065 62519 09446 32849 78615 31708 59647 17960
35534 29357 40952 00350 35711 33764 50491 27219 67403 00175
20549 65634 21366 98670 89871 36280 45399 73630 94104 82184
82668 88958 14617 53961 60925 51202 89717 20691 75684 74547
12101 83371 95014 02786 59852 71772 79464 40267 75627 35408
34163 07420 12448 27910 07431 13270 84333 74643 27152 53590
45272 94553 02871 08351 35217 18057 37534 39432 10064 83270
66141 86235 53413 88580 61050 54018 50596 14953 98390 20528
42212 68633 69778 08712 99868 21973 95015 25779 25064 74987
48119 08253 41753 36283 33087 68034 68094 15255 84877 56417
78261 17640 75037 13089 72995 29013 29524 70326 63365 48404
66092 08897 88477 96040 56906 52670 68409 69953 69772 57856
52002 89641 24019 73896 53539 62916 66939 66524 65709 88235
09914 82423 92970 07211 42217 40371 23527 88425 57004 25736
71206 59787 48315 70000 05513 05625 21471 88354 47015 77952
08052 62871 29440 60283 03311 36140 96794 45762 09862 07158
58097 52557 18546 31993 47802 81329 71312 98483 56852 98634
98006 32202 45405 20862 90088 66711 60168 55407 94787 20581
89875 00472 94518 89155 66685 37375 14209 08764 63221 01071
91037 63385 52698 70294 68923 52643 27288 00541 63374 38656
51381 45138 02106 50521 19685 87909 05240 58364 55409 62148
87888 87290 99890 25697 64361 28462 66627 69152 67392 46996
27921 48697 27865 26551 24859 06811 41954 52510 01096 14109
44167

10223/9223/8123 kHz, 12-11, 1600/1620/1640 UTC

09401 00001 00000 33661

10223/9223/8123 kHz, 14-11, 1600/1620/1640 UTC

06845 00001 00000 40262

10223/9223/8123 kHz, 19-11/21-11, 1600/1620/1640 UTC

00716 00237 88699 73323 23259 89858 70271 55137 97718 72436
54160 27030 00855 00605 76232 02515 10670 74286 09346 22510
90176 38548 99492 13203 31427 63253 20088 38598 95288 72962
23693 20871 62042 65227 07207 50985 25757 10057 66158 75628
58733 30664 40491 15458 51412 72690 90068 53460 18875 46513
00872 60499 76586 24802 05941 96582 54826 28730 03141 71750
99037 02736 56133 65902 39664 68595 41217 42420 31858 67180
80417 34407 45516 24224 53946 63125 68007 87240 16275 51986
13366 84085 28868 51380 71401 20461 77145 13519 56048 22185
33680 75176 41876 22331 32872 74690 02949 45406 51313 53335
21095 62006 49981 64172 44815 29782 25978 69975 89942 05200
50978 74165 04239 53428 64246 52573 58172 73878 43765 51111
89753 06655 41571 51964 99595 95637 42196 13692 97601 66771
55736 05282 50561 14626 25081 67597 12027 57518 60827 81957
39023 30153 68344 29514 80177 99808 30035 35436 50830 19760
84948 60853 60991 13899 97192 93084 16344 42973 48176 11485
55196 60026 08334 32943 71673 58397 96549 65615 64903 43037
67735 27546 43266 53805 59919 83294 38159 46277 71104 39777
99549 48065 33360 89160 53277 32496 47747 49702 60137 32115
34205 28756 77829 29607 17778 01959 23770 53379 56250 35192
01681 50671 06762 64015 86590 25164 42665 16272 51333 90008
20722 85102 80683 33214 47463 52387 73671 12027 74795 41565
02518 73448 60867 19210 34298 13635 44950 21496 30480 62467
44692 45100 63346 98854 51774 79799 74480 61874 17139 74270

10223/9223/8123 kHz, 26-11, 1600/1620/1640 UTC

01878 00001 00000 41260

10223/9223/8123 kHz, 28-11, 1600/1620/1640 UTC

06719 00001 00000 41257

13393/12193/11093 kHz, 1100/1120/1140 UTC

13393/12193/11093 kHz, 06-11/07-11, 1100/1120/1140 UTC

05552 00051 60799 90304 80838 46961 31167 18850 01637 26874
00978 16926 06013 13315 76000 73141 79748 32917 33250 83418
43302 40915 49248 74924 18599 81610 09500 01470 57839 15498
78012 25816 53769 67289 21673 35279 89768 22342 28831 16063
95853 67862 37383 63191 34494 44676 85662 07180 05133 27012
64428 47140 09980 50421

13393/12193/11093 kHz, 13-11, 1100/1120/1140 UTC

04183 00001 00000 33264

13393/12193/11093 kHz, 14-11, 1100/1120/1140 UTC

05860 00001 00000 35263

13393/12193/11093 kHz, 20-11/21-11, 1100/1120/1140 UTC

00227 00191 46531 23384 33923 71213 34293 66818 26534 94671
01911 06572 56566 60296 17700 02507 56882 81859 71764 98814
85180 61826 23305 57223 02592 04107 66920 05208 23420 65972
27627 37250 42875 88092 67239 79637 31677 30655 05353 54411
74105 52642 31382 99977 62503 14283 14739 54055 14662 42575
30153 17603 35922 33025 44575 02751 99082 74869 80137 77125
81700 84649 85159 23234 69638 62793 19899 38371 90041 22511
87114 55795 47018 30797 75254 27863 02309 01997 03946 47199
33308 60684 92268 03748 10273 67954 06386 58938 18901 56871
31594 16465 79988 45466 69057 45322 82766 19907 71953 77857
10620 78307 31580 72669 96873 42335 70798 28252 75620 00816
48378 23908 30678 07653 14717 65467 19202 94837 17468 25284
74350 89377 60997 69815 42465 95316 68594 48398 12249 60833
71593 93925 39001 25603 79902 47456 91778 59867 96459 51200
50040 98557 91457 66326 76240 00138 52051 31499 47944 82863

01991 81217 51597 78251 30831 32708 13238 63012 81809 65521
04840 81549 43710 56674 47935 38019 68113 89426 65051 48172
08411 46898 35002 27904 82493 48576 57506 72836 08846 79521
08235 22743 98549 09908 96813 33264 62716 96984 31350 88403
84867 16528 73400 56147

13393/12193/11093 kHz, 27-11, 1100/1120/1140 UTC
08933 00001 00000 37263

13393/12193/11093 kHz, 28-11, 1100/1120/1140 UTC
09228 00001 00000 36263

XPB1

20021 kHz, 01-11/05-11/08-11/12-11/15-11/19-11/22-11/26-11/29-11, 1300 UTC
19521 kHz, 01-11/05-11/08-11/12-11/15-11/19-11/22-11/26-11/29-11, 1310 UTC
18421 kHz, 01-11/05-11/08-11/12-11/15-11/19-11/22-11/26-11/29-11, 1320 UTC
17421 kHz, 01-11/05-11/08-11/12-11/15-11/19-11/22-11/26-11/29-11, 1330 UTC
16321 kHz, 01-11/05-11/08-11/12-11/15-11/19-11/22-11/26-11/29-11, 1340 UTC
15921 kHz, 01-11/05-11/08-11/12-11/15-11/19-11/22-11/26-11/29-11, 1350 UTC

16353 kHz, 02-11/06-11/09-11/13-11/16-11/20-11/23-11/27-11, 1200 UTC
15953 kHz, 02-11/06-11/09-11/13-11/16-11/20-11/23-11/27-11, 1210 UTC
14953 kHz, 02-11/06-11/09-11/13-11/16-11/20-11/23-11/27-11, 1220 UTC
13453 kHz, 02-11/06-11/09-11/13-11/16-11/20-11/23-11/27-11, 1230 UTC
12153 kHz, 02-11/06-11/09-11/13-11/16-11/20-11/23-11/27-11, 1240 UTC
11453 kHz, 02-11/06-11/09-11/13-11/16-11/20-11/23-11/27-11, 1250 UTC

19339 kHz, 04-11/05-11/11-11/12-11/18-11/19-11/25-11/26-11, 0600 UTC
18239 kHz, 04-11/05-11/11-11/12-11/18-11/19-11/25-11/26-11, 0610 UTC
17439 kHz, 04-11/05-11/11-11/12-11/18-11/19-11/25-11/26-11, 0620 UTC
16339 kHz, 04-11/05-11/11-11/12-11/18-11/19-11/25-11/26-11, 0630 UTC
15839 kHz, 04-11/05-11/11-11/12-11/18-11/19-11/25-11/26-11, 0640 UTC
14439 kHz, 04-11/05-11/11-11/12-11/18-11/19-11/25-11/26-11, 0650 UTC

Additional schedules

9352 kHz, 24-11/27-11, 0000 UTC
9052 kHz, 24-11/27-11, 0010 UTC
8152 kHz, 24-11/27-11, 0020 UTC
7752 kHz, 24-11/27-11, 0030 UTC
6952 kHz, 24-11/27-11, 0040 UTC
5852 kHz, 24-11/27-11, 0050 UTC

10176 kHz, 22-11/26-11/28-11, 0200 UTC
9376 kHz, 22-11/26-11/28-11, 0210 UTC
8176 kHz, 22-11/26-11/28-11, 0220 UTC
7676 kHz, 22-11/26-11/28-11, 0230 UTC
6976 kHz, 22-11/26-11/28-11, 0240 UTC
5876 kHz, 22-11/26-11/28-11, 0250 UTC

10154 kHz, 26-11, 0400 UTC
9354 kHz, 26-11, 0420 UTC
9054 kHz, 26-11, 0420 UTC
8154 kHz, 26-11, 0430 UTC
7654 kHz, 26-11, 0440 UTC
6854 kHz, 26-11, 0450 UTC

5836 kHz, 30-11, 0600 UTC
6836 kHz, 30-11, 0610 UTC
7536 kHz, 30-11, 0620 UTC
7936 kHz, 30-11, 0630 UTC
8136 kHz, 30-11, 0640 UTC

9136 kHz, 30-11, 0650 UTC

6941 kHz, 20-11/22-11/25-11/27-11/29-11, 0700 UTC
7541 kHz, 20-11/22-11/25-11/27-11/29-11, 0710 UTC
7941 kHz, 20-11/22-11/25-11/27-11/29-11, 0720 UTC
8141 kHz, 20-11/22-11/25-11/27-11/29-11, 0730 UTC
9241 kHz, 20-11/22-11/25-11/27-11/29-11, 0740 UTC
10241 kHz, 20-11/22-11/25-11/27-11/29-11, 0750 UTC

14712 kHz, 15-11, 0850 UTC

12157 kHz, 21-11/23-11/26-11/28-11, 1100 UTC
13557 kHz, 21-11/23-11/26-11/28-11, 1110 UTC
13957 kHz, 21-11/23-11/26-11/28-11, 1120 UTC
14757 kHz, 21-11/23-11/26-11/28-11, 1130 UTC
15857 kHz, 21-11/23-11/26-11/28-11, 1140 UTC
17467 kHz, 21-11/23-11/26-11/28-11, 1150 UTC

12198 kHz, 22-11/24-11/25-11/29-11, 1200 UTC
13398 kHz, 22-11/24-11/25-11/29-11, 1210 UTC
14798 kHz, 22-11/24-11/25-11/29-11, 1220 UTC
15898 kHz, 22-11/24-11/25-11/29-11, 1230 UTC
18298 kHz, 22-11/24-11/25-11/29-11, 1240 UTC
19198 kHz, 22-11/24-11/25-11/29-11, 1250 UTC

14362 kHz, 21-11/23-11/26-11/28-11, 1300 UTC
14962 kHz, 21-11/23-11/26-11/28-11, 1310 UTC
16062 kHz, 21-11/23-11/26-11/28-11, 1320 UTC
18262 kHz, 21-11/23-11/26-11/28-11, 1330 UTC
19362 kHz, 21-11/23-11/26-11/28-11, 1330 UTC
20362 kHz, 21-11/23-11/26-11/28-11, 1350 UTC

20373 kHz, 20-11/22-11/24-11/25-11/27-11/29-11, 1400 UTC
19373 kHz, 20-11/22-11/24-11/25-11/27-11/29-11, 1410 UTC
18373 kHz, 20-11/22-11/24-11/25-11/27-11/29-11, 1420 UTC
17473 kHz, 20-11/22-11/24-11/25-11/27-11/29-11, 1430 UTC
15873 kHz, 20-11/22-11/24-11/25-11/27-11/29-11, 1440 UTC
14873 kHz, 20-11/22-11/24-11/25-11/27-11/29-11, 1450 UTC

20144 kHz, 10-11/21-11/26-11/28-11/30-11, 1500 UTC
19044 kHz, 10-11/21-11/26-11/28-11/30-11, 1510 UTC
18644 kHz, 10-11/21-11/26-11/28-11/30-11, 1520 UTC
17444 kHz, 10-11/21-11/26-11/28-11/30-11, 1530 UTC
16144 kHz, 10-11/21-11/26-11/28-11/30-11, 1540 UTC
14944 kHz, 10-11/21-11/26-11/28-11/30-11, 1550 UTC

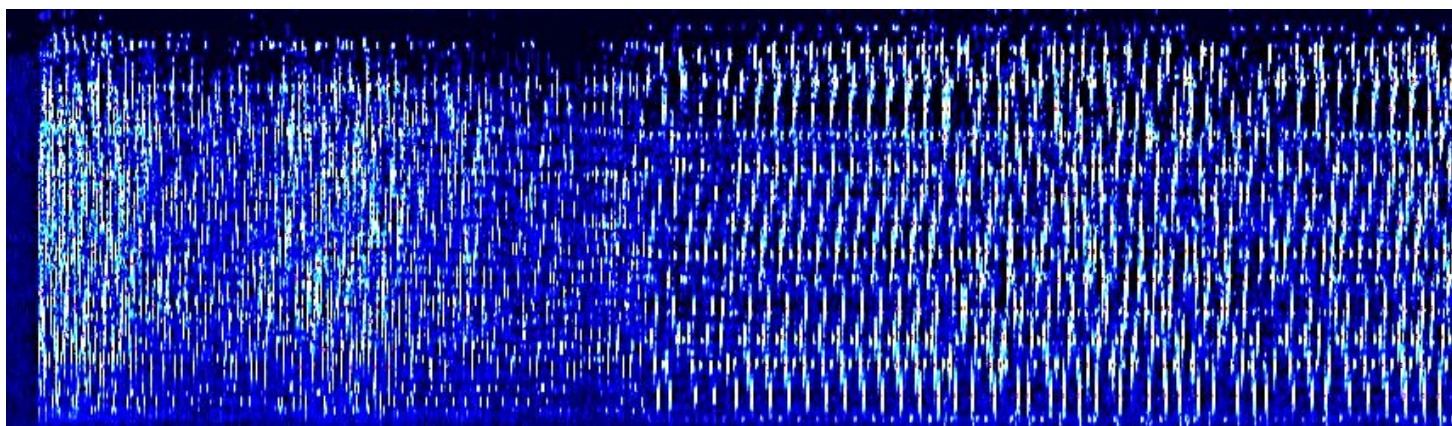
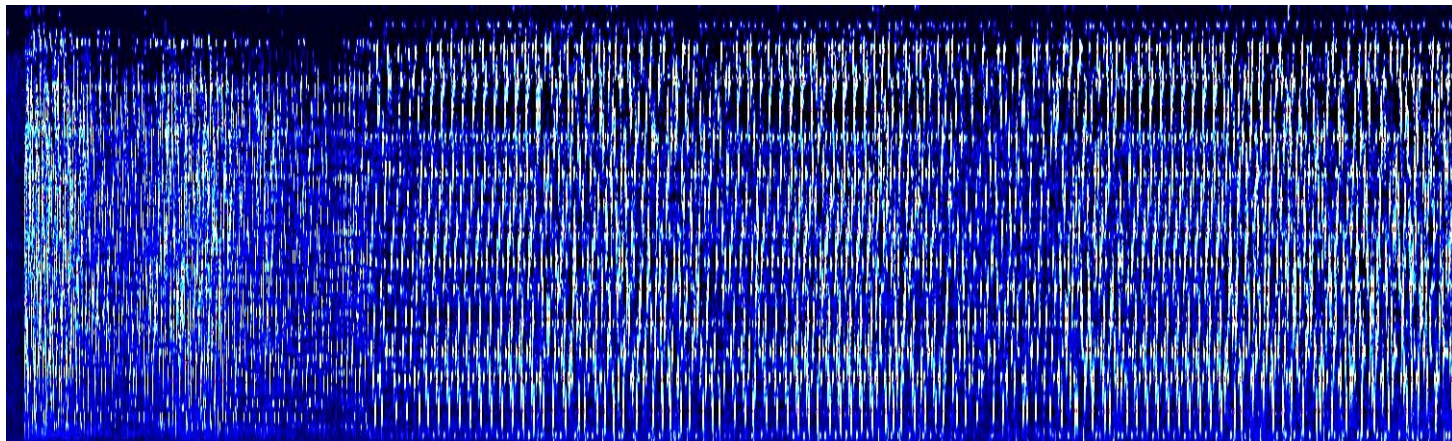
11551 kHz, 22-11/25-11/29-11, 2100 UTC
10951 kHz, 22-11/25-11/29-11, 2110 UTC
10351 kHz, 22-11/25-11/29-11, 2120 UTC
9351 kHz, 22-11/25-11/29-11, 2130 UTC
9051 kHz, 22-11/25-11/29-11, 2140 UTC
7951 kHz, 22-11/25-11/29-11, 2150 UTC

9087 kHz, 22-11/25-11/29-11, 2300 UTC
8187 kHz, 22-11/25-11/29-11, 2310 UTC
7887 kHz, 22-11/25-11/29-11, 2320 UTC
7487 kHz, 22-11/25-11/29-11, 2330 UTC
6787 kHz, 22-11/25-11/29-11, 2340 UTC
5887 kHz, 22-11/25-11/29-11, 2350 UTC

Russian intelligence

Russian station, probably belonging to Russian operator 6 (E06, S06, M14, F01, F06)

Mode: MFSK-21 and MFSK-13. Transmissions often start in MFSK-21 and change to MFSK-13



MFSK-21/MFSK-13

18648 kHz, 07-11, 0934 UTC
17423 kHz, 07-11, 0938 UTC
18648 kHz, 07-11, 0805 UTC

18567 kHz, 11-11, 0815 UTC

13448 kHz, 12-11, 1245 UTC

13392 kHz, 12-11, 1506 UTC

15657 kHz, 12-11, 1031 UTC
15657 kHz, 12-11, 1113 UTC
15667 kHz, 12-11, 1243 UTC
15623 kHz, 12-11, 1502 UTC
17456 kHz, 12-11, 1028 UTC
17456 kHz, 12-11, 1109 UTC
17472 kHz, 12-11, 1208 UTC
17469 kHz, 12-11, 1237 UTC
17456 kHz, 12-11, 1302 UTC
17425 kHz, 12-11, 1458 UTC
18641 kHz, 12-11, 1205 UTC
18641 kHz, 12-11, 1233 UTC
18654 kHz, 12-11, 1259 UTC

18569 kHz, 18-11, 0840 UTC
16274 kHz, 18-11, 0846 UTC
13398 kHz, 18-11, 1210 UTC
14798 kHz, 18-11, 1220 UTC
18298 kHz, 18-11, 1240 UTC
19198 kHz, 18-11, 1250 UTC
18373 kHz, 18-11, 1420 UTC
17472 kHz, 18-11, 1430 UTC

16340 kHz, 19-11, 0929 UTC
16340 kHz, 19-11, 1023 UTC
14757 kHz, 19-11, 1130 UTC
15857 kHz, 19-11, 1140 UTC
17467 kHz, 19-11, 1150 UTC

18224 kHz, 20-11, 0640 UTC
18224 kHz, 20-11, 0740 UTC
18224 kHz, 20-11, 0840 UTC
18224 kHz, 20-11, 0940 UTC

18224 kHz, 20-11, 1140 UTC

18224 kHz, 20-11, 0920 UTC
18224 kHz, 20-11, 1119 UTC

16118 kHz, 20-11, 0746 UTC
16118 kHz, 20-11, 0848 UTC
16118 kHz, 20-11, 0947 UTC
16118 kHz, 20-11, 1150 UTC

14772 kHz, 20-11, 0750 UTC
14772 kHz, 20-11, 0950 UTC
14772 kHz, 20-11, 1051 UTC

18050 kHz, 20-11, 0835 UTC

16137 kHz, 20-11, 0844 UTC

14772 kHz, 20-11, 1153 UTC
10874 kHz, 20-11, 1243 UTC
10874 kHz, 20-11, 1343 UTC
10874 kHz, 20-11, 1342 UTC
10874 kHz, 20-11, 1543 UTC
10874 kHz, 20-11, 1643 UTC

18237 kHz, 20-11, 1300 UTC

9138 kHz, 20-11, 1351 UTC	8124 kHz, 21-11, 1255 UTC	18224 kHz, 23-11, 1119 UTC
9138 kHz, 20-11, 1451 UTC	8124 kHz, 21-11, 1355 UTC	
9138 kHz, 20-11, 1551 UTC	8124 kHz, 21-11, 1355 UTC	13448 kHz, 23-11, 0934 UTC
9138 kHz, 20-11, 1651 UTC	8124 kHz, 21-11, 1456 UTC	13448 kHz, 23-11, 1035 UTC
9138 kHz, 20-11, 1750 UTC	8124 kHz, 21-11, 1555 UTC	13448 kHz, 23-11, 1135 UTC
9138 kHz, 20-11, 1851 UTC	8124 kHz, 21-11, 1655 UTC	
9138 kHz, 20-11, 1952 UTC	8124 kHz, 21-11, 1754 UTC	13448 kHz, 23-11, 0653 UTC
	8124 kHz, 21-11, 1854 UTC	13448 kHz, 23-11, 0753 UTC
8124 kHz, 20-11, 1456 UTC	8124 kHz, 21-11, 1958 UTC	13448 kHz, 23-11, 0854 UTC
8124 kHz, 20-11, 1555 UTC		13448 kHz, 23-11, 0956 UTC
8124 kHz, 20-11, 1655 UTC	9138 kHz, 21-11, 1934 UTC	13448 kHz, 23-11, 1056 UTC
8124 kHz, 20-11, 1755 UTC	8124 kHz, 21-11, 1939 UTC	13448 kHz, 23-11, 1157 UTC
8124 kHz, 20-11, 1855 UTC		
8124 kHz, 20-11, 1955 UTC	18224 kHz, 22-11, 0640 UTC	12176 kHz, 23-11, 1241 UTC
	18224 kHz, 22-11, 0740 UTC	12176 kHz, 23-11, 1340 UTC
16118 kHz, 20-11, 0647 UTC	18224 kHz, 22-11, 0840 UTC	12176 kHz, 23-11, 1441 UTC
	18224 kHz, 22-11, 0940 UTC	12176 kHz, 23-11, 1540 UTC
18224 kHz, 21-11, 0620 UTC	18224 kHz, 22-11, 1040 UTC	12176 kHz, 23-11, 1641 UTC
18224 kHz, 21-11, 0720 UTC	18224 kHz, 22-11, 1140 UTC	12176 kHz, 23-11, 1741 UTC
18224 kHz, 21-11, 0920 UTC		
18224 kHz, 21-11, 1020 UTC	13448 kHz, 22-11, 0935 UTC	16118 kHz, 23-11, 0648 UTC
18224 kHz, 21-11, 1120 UTC	13448 kHz, 22-11, 1035 UTC	16118 kHz, 23-11, 0748 UTC
	13448 kHz, 22-11, 1135 UTC	16118 kHz, 23-11, 0847 UTC
13448 kHz, 21-11, 0935 UTC		16118 kHz, 23-11, 0948 UTC
13448 kHz, 21-11, 1035 UTC	12176 kHz, 22-11, 1341 UTC	16118 kHz, 23-11, 1048 UTC
13448 kHz, 21-11, 1135 UTC	12176 kHz, 22-11, 1441 UTC	16118 kHz, 23-11, 1149 UTC
	12176 kHz, 22-11, 1541 UTC	
18224 kHz, 21-11, 0640 UTC	12176 kHz, 22-11, 1640 UTC	16118 kHz, 23-11, 0728 UTC
18224 kHz, 21-11, 0740 UTC	12176 kHz, 22-11, 1740 UTC	16118 kHz, 23-11, 0828 UTC
18224 kHz, 21-11, 0840 UTC		16118 kHz, 23-11, 0927 UTC
18224 kHz, 21-11, 0940 UTC	16118 kHz, 22-11, 0547 UTC	16118 kHz, 23-11, 1027 UTC
18224 kHz, 21-11, 1040 UTC	16118 kHz, 22-11, 0647 UTC	16118 kHz, 23-11, 1127 UTC
18224 kHz, 21-11, 1140 UTC	16118 kHz, 22-11, 0749 UTC	
	16118 kHz, 22-11, 0848 UTC	14772 kHz, 23-11, 0651 UTC
16118 kHz, 21-11, 0647 UTC	16118 kHz, 22-11, 0948 UTC	14772 kHz, 23-11, 0751 UTC
16118 kHz, 21-11, 0747 UTC	16118 kHz, 22-11, 1047 UTC	14772 kHz, 23-11, 0851 UTC
16118 kHz, 21-11, 0847 UTC		14772 kHz, 23-11, 0952 UTC
16118 kHz, 21-11, 0947 UTC	14772 kHz, 22-11, 0651 UTC	14772 kHz, 23-11, 1052 UTC
16118 kHz, 21-11, 1047 UTC	14772 kHz, 22-11, 0752 UTC	14772 kHz, 23-11, 1153 UTC
16118 kHz, 21-11, 1147 UTC	14772 kHz, 22-11, 0853 UTC	
	14772 kHz, 22-11, 0952 UTC	14772 kHz, 23-11, 0731 UTC
14772 kHz, 21-11, 0650 UTC	14772 kHz, 22-11, 1051 UTC	14772 kHz, 23-11, 0931 UTC
14772 kHz, 21-11, 0750 UTC		14772 kHz, 23-11, 1030 UTC
14772 kHz, 21-11, 0850 UTC	8124 kHz, 22-11, 1450 UTC	14772 kHz, 23-11, 1131 UTC
14772 kHz, 21-11, 0950 UTC	8124 kHz, 22-11, 1550 UTC	
14772 kHz, 21-11, 1050 UTC	8124 kHz, 22-11, 1650 UTC	10874 kHz, 23-11, 1523 UTC
14772 kHz, 21-11, 1152 UTC	8124 kHz, 22-11, 1751 UTC	10874 kHz, 23-11, 1623 UTC
13448 kHz, 21-11, 0554 UTC	9258 kHz, 22-11, 1448 UTC	10874 kHz, 23-11, 1243 UTC
13448 kHz, 21-11, 0654 UTC	9258 kHz, 22-11, 1547 UTC	10874 kHz, 23-11, 1343 UTC
13448 kHz, 21-11, 0754 UTC	9258 kHz, 22-11, 1647 UTC	10874 kHz, 23-11, 1443 UTC
13448 kHz, 21-11, 0854 UTC	9258 kHz, 22-11, 1747 UTC	10874 kHz, 23-11, 1543 UTC
13448 kHz, 21-11, 0954 UTC		10874 kHz, 23-11, 1643 UTC
13448 kHz, 21-11, 1054 UTC	18224 kHz, 23-11, 0640 UTC	10874 kHz, 23-11, 1745 UTC
13448 kHz, 21-11, 1154 UTC	18224 kHz, 23-11, 0740 UTC	
	18224 kHz, 23-11, 0840 UTC	8124 kHz, 23-11, 1430 UTC
9138 kHz, 21-11, 1251 UTC	18224 kHz, 23-11, 0940 UTC	8124 kHz, 23-11, 1531 UTC
9138 kHz, 21-11, 1352 UTC	18224 kHz, 23-11, 1040 UTC	8124 kHz, 23-11, 1631 UTC
9138 kHz, 21-11, 1451 UTC	18224 kHz, 23-11, 1142 UTC	8124 kHz, 23-11, 1731 UTC
9138 kHz, 21-11, 1551 UTC		
9138 kHz, 21-11, 1651 UTC	18224 kHz, 23-11, 0720 UTC	8124 kHz, 23-11, 1450 UTC
9138 kHz, 21-11, 1750 UTC	18224 kHz, 23-11, 0820 UTC	8124 kHz, 23-11, 1550 UTC
	18224 kHz, 23-11, 0919 UTC	
	18224 kHz, 23-11, 1019 UTC	

8124 kHz, 23-11, 1649 UTC
8124 kHz, 23-11, 1750 UTC

9258 kHz, 23-11, 1247 UTC
9258 kHz, 23-11, 1348 UTC
9258 kHz, 23-11, 1446 UTC
9258 kHz, 23-11, 1546 UTC
9258 kHz, 23-11, 1646 UTC
9258 kHz, 23-11, 1747 UTC

9258 kHz, 23-11, 1527 UTC
9258 kHz, 23-11, 1627 UTC

7632 kHz, 23-11, 1636 UTC
7632 kHz, 23-11, 1736 UTC

7632 kHz, 23-11, 1754 UTC

6854 kHz, 23-11, 1947 UTC
6854 kHz, 23-11, 2046 UTC
6854 kHz, 23-11, 2146 UTC
6854 kHz, 23-11, 2246 UTC
6854 kHz, 23-11, 2346 UTC

18224 kHz, 24-11, 0640 UTC
18224 kHz, 24-11, 0740 UTC
18224 kHz, 24-11, 0839 UTC
18224 kHz, 24-11, 0939 UTC
18224 kHz, 24-11, 1040 UTC
18224 kHz, 24-11, 1139 UTC

18224 kHz, 24-11, 0719 UTC
18224 kHz, 24-11, 0820 UTC
18224 kHz, 24-11, 0919 UTC
18224 kHz, 24-11, 1019 UTC
18224 kHz, 24-11, 1119 UTC

13448 kHz, 24-11, 0735 UTC
13448 kHz, 24-11, 0834 UTC
13448 kHz, 24-11, 0936 UTC
13448 kHz, 24-11, 1035 UTC
13448 kHz, 24-11, 1136 UTC

13448 kHz, 24-11, 0653 UTC
13448 kHz, 24-11, 0753 UTC
13448 kHz, 24-11, 0852 UTC
13448 kHz, 24-11, 0952 UTC
13448 kHz, 24-11, 1053 UTC
13448 kHz, 24-11, 1153 UTC

12176 kHz, 24-11, 1340 UTC
12176 kHz, 24-11, 1439 UTC
12176 kHz, 24-11, 1539 UTC
12176 kHz, 24-11, 1639 UTC
12176 kHz, 24-11, 1739 UTC

12176 kHz, 24-11, 1518 UTC
12176 kHz, 24-11, 1718 UTC

16118 kHz, 24-11, 0648 UTC
16118 kHz, 24-11, 0748 UTC
16118 kHz, 24-11, 0847 UTC

16118 kHz, 24-11, 0946 UTC
16118 kHz, 24-11, 1047 UTC
16118 kHz, 24-11, 1146 UTC

16118 kHz, 24-11, 0727 UTC
16118 kHz, 24-11, 0827 UTC
16118 kHz, 24-11, 0928 UTC
16118 kHz, 24-11, 1027 UTC

14772 kHz, 24-11, 0651 UTC
14772 kHz, 24-11, 0751 UTC
14772 kHz, 24-11, 0849 UTC
14772 kHz, 24-11, 0949 UTC
14772 kHz, 24-11, 1050 UTC
14772 kHz, 24-11, 1149 UTC

14772 kHz, 24-11, 0731 UTC
14772 kHz, 24-11, 0831 UTC
14772 kHz, 24-11, 0932 UTC
14772 kHz, 24-11, 1030 UTC
14772 kHz, 24-11, 1132 UTC

10874 kHz, 24-11, 1423 UTC
10874 kHz, 24-11, 1523 UTC
10874 kHz, 24-11, 1623 UTC

10874 kHz, 24-11, 1244 UTC
10874 kHz, 24-11, 1344 UTC
10874 kHz, 24-11, 1442 UTC
10874 kHz, 24-11, 1543 UTC
10874 kHz, 24-11, 1643 UTC
10874 kHz, 24-11, 1742 UTC

8124 kHz, 24-11, 1432 UTC
8124 kHz, 24-11, 1532 UTC
8124 kHz, 24-11, 1632 UTC
8124 kHz, 24-11, 1733 UTC

8124 kHz, 24-11, 1450 UTC
8124 kHz, 24-11, 1552 UTC
8124 kHz, 24-11, 1650 UTC
8124 kHz, 24-11, 1749 UTC

9258 kHz, 24-11, 1446 UTC
9258 kHz, 24-11, 1546 UTC
9258 kHz, 24-11, 1644 UTC
9258 kHz, 24-11, 1746 UTC

9258 kHz, 24-11, 1428 UTC
9258 kHz, 24-11, 1527 UTC
9258 kHz, 24-11, 1628 UTC
9258 kHz, 24-11, 1728 UTC

7632 kHz, 24-11, 1536 UTC
7632 kHz, 24-11, 1636 UTC
7632 kHz, 24-11, 1736 UTC

7632 kHz, 24-11, 1653 UTC
7632 kHz, 24-11, 1752 UTC

6854 kHz, 24-11, 0047 UTC
6854 kHz, 24-11, 0146 UTC
6854 kHz, 24-11, 0247 UTC
6854 kHz, 24-11, 0346 UTC

6854 kHz, 24-11, 1847 UTC
6854 kHz, 24-11, 1946 UTC
6854 kHz, 24-11, 2046 UTC
6854 kHz, 24-11, 2146 UTC
6854 kHz, 24-11, 2247 UTC
6854 kHz, 24-11, 2347 UTC

DIPLOMATIC STATIONS

Diplomatic stations: Bulgaria

18515 kHz, 01-11, 1130 UTC, RFSM	18515 kHz, 13-11, 1127 UTC, RFSM	18455 kHz, 20-11, 1357 UTC, RFSM
14755 kHz, 01-11, 0926 UTC, RFSM	17440 kHz, 13-11, 1325 UTC, RFSM	18515 kHz, 21-11, 1121 UTC, RFSM
17440 kHz, 01-11, 0940 UTC, RFSM	18455 kHz, 13-11, 1356 UTC, RFSM	17440 kHz, 21-11, 1323 UTC, RFSM
18455 kHz, 01-11, 1357 UTC, RFSM	18515 kHz, 14-11, 1124 UTC, RFSM	18455 kHz, 21-11, 1358 UTC, RFSM
18515 kHz, 05-11, 1123 UTC, RFSM	14755 kHz, 14-11, 0927 UTC, RFSM	18515 kHz, 25-11, 1029 UTC, RFSM
14755 kHz, 05-11, 0923 UTC, RFSM	17440 kHz, 14-11, 1322 UTC, RFSM	14755 kHz, 25-11, 0920 UTC, RFSM
17440 kHz, 05-11, 1330 UTC, RFSM	18455 kHz, 14-11, 1150 UTC, RFSM	18455 kHz, 25-11, 1356 UTC, RFSM
18455 kHz, 05-11, 1358 UTC, RFSM	18515 kHz, 15-11, 1127 UTC, RFSM	18515 kHz, 26-11, 1121 UTC, RFSM
18515 kHz, 07-11, 1039 UTC, RFSM	14755 kHz, 15-11, 0928 UTC, RFSM	17440 kHz, 26-11, 1325 UTC, RFSM
14755 kHz, 07-11, 0926 UTC, RFSM	17440 kHz, 15-11, 1325 UTC, RFSM	18455 kHz, 26-11, 1358 UTC, RFSM
17440 kHz, 07-11, 1325 UTC, RFSM	18455 kHz, 15-11, 1355 UTC, RFSM	20955 kHz, 26-11, 1457 UTC, RFSM
18455 kHz, 07-11, 0937 UTC, RFSM	18515 kHz, 18-11, 1122 UTC, RFSM	14755 kHz, 27-11, 0930 UTC, RFSM
18515 kHz, 08-11, 1126 UTC, RFSM	14755 kHz, 18-11, 0928 UTC, RFSM	18515 kHz, 27-11, 1121 UTC, RFSM
14755 kHz, 08-11, 0927 UTC, RFSM	17440 kHz, 18-11, 1324 UTC, RFSM	17440 kHz, 27-11, 1326 UTC, RFSM
17440 kHz, 08-11, 1323 UTC, RFSM	18455 kHz, 18-11, 1358 UTC, RFSM	18455 kHz, 27-11, 1358 UTC, RFSM
18455 kHz, 08-11, 1357 UTC, RFSM	18515 kHz, 19-11, 1125 UTC, RFSM	20955 kHz, 27-11, 1455 UTC, RFSM
18515 kHz, 11-11, 1120 UTC, RFSM	14755 kHz, 19-11, 0921 UTC, RFSM	18515 kHz, 28-11, 1126 UTC, RFSM
18455 kHz, 11-11, 1325 UTC, RFSM	17440 kHz, 19-11, 1326 UTC, RFSM	17440 kHz, 28-11, 1324 UTC, RFSM
18515 kHz, 12-11, 1121 UTC, RFSM	18455 kHz, 19-11, 1358 UTC, RFSM	18455 kHz, 28-11, 1219 UTC, RFSM
14755 kHz, 12-11, 0926 UTC, RFSM	14755 kHz, 20-11, 0759 UTC, RFSM	20955 kHz, 28-11, 1452 UTC, RFSM
17440 kHz, 12-11, 1323 UTC, RFSM	18515 kHz, 20-11, 1126 UTC, RFSM	20955 kHz, 29-11, 1452 UTC, RFSM
18455 kHz, 12-11, 1258 UTC, RFSM	17440 kHz, 20-11, 1304 UTC, RFSM	

Diplomatic stations: Egypt

17426.7 kHz, 01-11, 0917 UTC, SITOR-A 100/170	MFA Cairo clg KXOX: Egyptian embassy Abidjan
17426.7 kHz, 01-11, 0925 UTC, SITOR-A 100/170	MFA Cairo clg TVQX: Egyptian embassy Tehran
17425 kHz, 01-11, 0926 UTC, CODAN	99901: MFA Cairo wkg 00021: Egyptian embassy Tehran
17425 kHz, 01-11, 0926 UTC, CODAN	00021: Egyptian embassy Tehran wkg 99901: MFA Cairo
20056.7 kHz, 01-11, 1625 UTC, SITOR-A 100/170	MFA Cairo clg OOVV: Egyptian embassy Islamabad
20055 kHz, 01-11, 1630 UTC, CODAN	99901: MFA Cairo wkg 44405: Egyptian embassy Islamabad
17426.7 08-11-2024 0930 UTC. SITOR-A 100/170	MFA Cairo clg XBVY: Egyptian embassy London followed by a short message
17425 kHz, 08-11, 0932 UTC, CODAN	99901: MFA Cairo message to 11107: Egyptian embassy London 11107
20056.7 08-11-2024 1012 UTC, SITOR-A 100/170	MFA Cairo clg OOVV: Egyptian embassy Islamabad
20055 kHz, 08-11, 1013 UTC, CODAN	99901: MFA Cairo message to 44405: Egyptian embassy Islamabad
20056.7 08-11-2024 1251 UTC, SITOR-A 100/170	MFA Cairo clg OOVV: Egyptian embassy Islamabad
20055 kHz, 08-11, 1252 UTC, CODAN	99901: MFA Cairo message to 44405: Egyptian embassy Islamabad
20036.7 08-11-2024 1435 UTC, SITOR-A 100/170	MFA Cairo clg KXEX: Egyptian embassy Luanda followed by short traffic +? 788
	LODSWKD HUXD UIXKY RKS KY KY
20035 kHz, 08-11, 1440 UTC, CODAN	99901: MFA Cairo short message to 44405: Egyptian embassy Islamabad
20036.7 08-11-2024 1448 UTC, SITOR-A 100/170	MFA Cairo (unreadable traffic)
20035 kHz, 08-11, 1452 UTC, CODAN	99901: MFA Cairo short message to 44405: Egyptian embassy Islamabad
20036.7 08-11-2024 1456 UTC, SITOR-A 100/170	MFA Cairo clg KXEX: Egyptian embassy Luanda followed by a message BS---NCJ
	8/11/4202 etc.
20055 kHz, 08-11, 1506 UTC, CODAN	99901: MFA Cairo message to 44405: Egyptian embassy Islamabad
20056.7 08-11-2024 1534 UTC, SITOR-A 100/170	MFA Cairo clg TVXC: Egyptian embassy Abidjan
20055 kHz, 08-11, 1536 UTC, CODAN	99901: MFA Cairo message to 00016: Egyptian embassy Abidjan
20056.7 kHz, 11-11, 1504 UTC, SITOR-A 100/170	MFA Cairo clg OOVV: Egyptian embassy Islamabad + short traffic
20055 kHz, 11-11, 1506 UTC, CODAN	99901: MFA Cairo message to 44405: Egyptian embassy Islamabad
20036.7 kHz, 11-11, 1606 UTC, SITOR-A 100/170	MFA Cairo clg KXRX: Egyptian embassy Ouagadougou
20035 kHz, 11-11, 1608 UTC, CODAN	99902: MFA Cairo message to 33316: Egyptian Embassy Ouagadougou
20056.7 kHz, 11-11, 1605 UTC, SITOR-A 100/170	Egyptian Embassy Ouagadougou clg SSTB: MFA Cairo
20055 kHz, 11-11, 1606 UTC, CODAN	33316: Egyptian Embassy Ouagadougou message to 99902: MFA Cairo
20036.7 kHz, 11-11, 1645 UTC, SITOR-A 100/170	MFA Cairo clg KKVU: Egyptian embassy Accra
20035 kHz, 11-11, 1649 UTC, CODAN	99902: MFA Cairo message to 33302: Egyptian embassy Accra
20036.7 kHz, 11-11, 1709 UTC, SITOR-A 100/170	Egyptian diplo. JG: 63 (from: 36) KDS: KDJFKQOH. (to: ???) = HTNZKDSWJ
	KDKAUKD O-G KDSLJ 11/11/4202 (11/11/2024) = KDX--KMF KLKFM ...

20056.7 kHz, 12-11, 1145 UTC, SITOR-A 100/170
20055 kHz, 12-11, 1148 UTC, CODAN
20056.7 kHz, 12-11, 1530 UTC, SITOR-A 100/170
20055 kHz, 12-11, 1532 UTC, CODAN
20056.7 kHz, 13-11, 0800 UTC, SITOR-A 100/170
20055 kHz, 13-11, 1013 UTC, CODAN
20056.7 kHz, 13-11, 0846 UTC, SITOR-A 100/170
20055 kHz, 13-11, 0847 UTC, CODAN
20036.7 kHz, 13-11, 1014 UTC, SITOR-A 100/170

20035 kHz, 13-11, 1017 UTC, CODAN
20056.7 kHz, 13-11, 1102 UTC, SITOR-A 100/170
20055 kHz, 13-11, 1113 UTC, CODAN
20051.7 kHz, 13-11, 1202 UTC, SITOR-A 100/170
20050 kHz, 13-11, 1204 UTC, CODAN
17426.7 kHz, 13-11, 1234 UTC, SITOR-A 100/170
17425 kHz, 13-11, 1235 UTC, CODAN
20056.7 kHz, 13-11, 1454 UTC, SITOR-A 100/170
20051.7 kHz, 13-11, 1506 UTC, SITOR-A 100/170
20036.7 kHz, 14-11, 0707 UTC, SITOR-A 100/170
20036.7 kHz, 14-11, 0828 UTC, SITOR-A 100/170
20056.7 kHz, 14-11, 0830 UTC, SITOR-A 100/170
20056.7 kHz, 14-11, 1356 UTC, SITOR-1 100/170
20055 kHz, 14-11, 1358 UTC, CODAN
20056.7 kHz, 14-11 1410 UTC, SITOR-1 100/170
20055 kHz, 14-11, 1412 UTC, CODAN
17426.7 kHz, 14-11 1550 UTC, SITOR-A 100/170
17425 kHz, 14-11, 1553 UTC, CODAN
17426.7 kHz, 14-11 1555 UTC, SITOR-A 100/170
17426.7 kHz, 14-11 1558 UTC, SITOR-A 100/170
17426.7 kHz, 14-11 1605 UTC, SITOR-A 100/170
20036.7 kHz, 14-11 1520 UTC, SITOR-A 100/170
20035 kHz, 14-11, 1524 UTC, CODAN
20036.7 kHz, 14-11 1544 UTC, SITOR-A 100/170
20055 kHz, 14-11, 1542 UTC, CODAN
20051.7 kHz, 14-11 1707 UTC, SITOR-A 100/170

20050 kHz, 14-11, 1712 UTC, CODAN
17146.7 kHz, 15-11 0611 UTC, SITOR-A 100/170
17146.7 kHz, 15-11 0613 UTC, SITOR-A 100/170
17146.7 kHz, 15-11 0627 UTC, SITOR-A 100/170
17145 kHz, 15-11, 0629 UTC, CODAN
20036.7 kHz, 15-11 0746 UTC, SITOR-A 100/170
20056.7 kHz, 15-11 0759 UTC, SITOR-A 100/170
20036.7 kHz, 15-11 1316 UTC, SITOR-A 100/170
20035 kHz, 15-11, 1319 UTC, CODAN
20036.7 kHz, 15-11 1339 UTC, SITOR-A 100/170
20035 kHz, 15-11, 1343 UTC, CODAN
20036.7 kHz, 15-11 1442 UTC, SITOR-A 100/170
20035 kHz, 15-11, 1444 UTC, CODAN
20056.7 kHz, 15-11 1504 UTC, SITOR-A 100/170
20055 kHz, 15-11, 1505 UTC, CODAN
20055 kHz, 18-11, 0849 UTC, CODAN
20056.7 kHz, 18-11, 0950 UTC, SITOR-A 100/170
17426.7 kHz, 18-11, 0954 UTC, SITOR-A 100/170
17425 kHz, 18-11, 0958 EFY CODAN
20056.7 kHz, 18-11, 1003 UTC, SITOR-A 100/170
20056.7 kHz, 18-11, 1247 UTC, SITOR-A 100/170
20055 kHz, 18-11, 1249 UTC, CODAN
20056.7 kHz, 18-11, 1357 UTC, SITOR-A 100/170
20055 kHz, 18-11, 1358 UTC, CODAN
20036.7 kHz, 18-11, 1609 UTC, SITOR-A 100/170
20035 kHz, 18-11, 1612 UTC, CODAN
20036.7 kHz, 18-11, 1645 UTC, SITOR-A 100/170

MFA Cairo clg OOV: Egyptian embassy New Delhi
99901: MFA Cairo message to 44406: Egyptian embassy New Delhi
MFA Cairo clg OOV: Egyptian embassy New Delhi
99901: MFA Cairo message to 44406: Egyptian embassy New Delhi
MFA Cairo clg OOV: Egyptian embassy Islamabad
99901: MFA Cairo message to 44405: Egyptian embassy Islamabad
MFA Cairo clg OOV: Egyptian embassy New Delhi
99901: MFA Cairo message to 44406: Egyptian embassy New Delhi
MFA Cairo clg KKXT: Egyptian embassy Nairobi (operator chat: KDPDKJ ODSWJCFF+?)
99902: MFA Cairo message to 33310: Egyptian embassy Nairobi
MFA Cairo clg OOV: Egyptian embassy Islamabad
99901: MFA Cairo message to 44405: Egyptian embassy Islamabad
MFA Cairo clg OOV: Egyptian embassy New Delhi
99901: MFA Cairo message to 44406: Egyptian embassy New Delhi
MFA Cairo clg OOV: Egyptian embassy New Delhi
99901: MFA Cairo message to 44406: Egyptian embassy New Delhi
MFA Cairo clg OOV: Egyptian embassy Islamabad
MFA Cairo clg OOV: Egyptian embassy New Delhi
MFA Cairo wkg OOV: Egyptian embassy New Delhi
MFA Cairo clg OOV: Egyptian embassy Kuala Lumpur
MFA Cairo clg OOV: Egyptian embassy Kuala Lumpur
MFA Cairo clg TVXF: unid Egyptian embassy
99901: MFA Cairo message to 18: unid Egyptian embassy
MFA Cairo clg OOV: Egyptian embassy Islamabad
99901: MFA Cairo message to 44405: Egyptian embassy Islamabad
MFA Cairo clg KKVO: Egyptian embassy N'djamena
99901: MFA Cairo message to 33304: Egyptian embassy N'djamena
Egyptian embassy N'djamena clg SSTU: MFA Cairo while Cairo is still sending
Egyptian embassy N'djamena clg SSTU: MFA Cairo
MFA Cairo clg KKVO: Egyptian embassy N'djamena for 12 mins. No further traffic
MFA Cairo wkg OOV: Egyptian embassy New Delhi
99901: MFA Cairo message to 44406: Egyptian embassy New Delhi
MFA Cairo clg KKVO: Egyptian embassy N'djamena for 5 mins. No further traffic
99903: MFA Cairo message to 66601: Egyptian embassy Washington
KKVD: Egyptian embassy Conakry clg SSTU: MFA Cairo followed by a garbled message
33308: Egyptian embassy Conakry message to 99903: MFA Cairo
MFA Cairo clg TVXK: unid embassy. No further traffic
MFA Cairo clg TVXP Egyptian embassy Mogadiscio. No further traffic
MFA Cairo clg TVXK: unid embassy
99901: MFA Cairo message to 13: unid embassy
MFA Cairo wkg OOV: Egyptian embassy New Delhi
MFA Cairo wkg TVXC: Egyptian embassy Abidjan
MFA Cairo wkg OOV: Egyptian embassy New Delhi
99901: MFA Cairo message to 44406: Egyptian embassy New Delhi
MFA Cairo wkg OOV: Egyptian embassy New Delhi
99901: MFA Cairo message to 44406: Egyptian embassy New Delhi
MFA Cairo wkg OOV: Egyptian embassy Islamabad
99901: MFA Cairo message to 44405: Egyptian embassy Islamabad
MFA Cairo wkg TVXC: Unid embassy
99901: MFA Cairo message to 16: Unid embassy
99901: MFA Cairo message to 44405: Egyptian embassy Islamabad
MFA Cairo clg OOV: Egyptian embassy Islamabad
MFA Cairo wkg TVQX: Egyptian embassy Tehran
99901: MFA Cairo message to 21: Egyptian embassy Tehran
MFA Cairo wkg OOV: Egyptian embassy Islamabad
MFA Cairo wkg OOV: Egyptian embassy Islamabad
99901: MFA Cairo message to 44405: Egyptian embassy Islamabad
MFA Cairo clg OOV: Egyptian embassy Islamabad
99901: MFA Cairo message to 44405: Egyptian embassy Islamabad
MFA Cairo wkg KKXR: Egyptian embassy Ouagadougou
99902: MFA Cairo message to 33316: Egyptian embassy Ouagadougou
MFA Cairo message to unid embassy

20056.7 kHz, 18-11, 1644 UTC, SITOR-A 100/170
 20056.7 kHz, 18-11, 1654 UTC, SITOR-A 100/170
 17426.7 kHz, 19-11, 0900 UTC, SITOR-A 100/170
 17425 kHz, 19-11-2004 0902 UTC, CODAN
 17426.7 kHz, 19-11, 0940 UTC, SITOR-A 100/170
 17425 19-11-2004 0942 UTC, CODAN
 20056.7 kHz, 19-11, 1005 UTC, SITOR-A 100/170
 18050 kHz, 19-11-2004 1012 UTC, CODAN
 20056.7 kHz, 19-11, 1057 UTC, SITOR-A 100/170
 20055 kHz, 19-11-2004 1057 UTC, CODAN
 20056.7 kHz, 19-11, 1142 UTC, SITOR-A 100/170
 20055 kHz, 19-11, 1142 UTC, CODAN
 17426.7 kHz, 19-11, 1029 UTC, SITOR-A 100/170
 17425 kHz, 19-11, 1031 UTC, CODAN
 18051.7 kHz, 19-11, 1308 UTC, SITOR-A 100/170
 18050 kHz, 19-11, 1309 UTC, CODAN
 17425 kHz, 19-11-2004 1255 UTC, CODAN
 18051.7 kHz, 19-11, 1412 UTC, SITOR-A 100/170
 18050 kHz, 19-11-2004 1414 UTC, CODAN
 17426.7 kHz, 19-11, 1518 UTC, SITOR-A 100/170
 17425 kHz, 19-11-2004 1520 UTC, CODAN
 20056.7 kHz, 20-11, 0827 UTC, SITOR-A 100/170
 20055 kHz, 20-11, 0828 UTC, CODAN
 18051.7 kHz, 20-11, 0819 UTC, SITOR-A 100/170
 18050 kHz, 20-11, 0820 UTC, CODAN
 20051.7 kHz, 20-11, 0847 UTC, SITOR-A 100/170
 20056.7 kHz, 20-11, 0843 UTC, SITOR-A 100/170
 20056.7 kHz, 20-11, 1344 UTC, SITOR-A 100/170
 18051.7 kHz, 20-11, 1328 UTC, SITOR-A 100/170
 18050 kHz, 20-11, 1331 UTC, CODAN
 18051.7 kHz, 20-11, 1433 UTC, SITOR-A 100/170
 18050 kHz, 20-11, 1435 UTC, CODAN
 20025 kHz, 20-11, 1505 UTC, CODAN
 20026.7 kHz, 20-11, 1507 UTC, SITOR-A 100/170
 20056.7 kHz, 20-11, 1456 UTC, SITOR-A 100/170
 20055 kHz, 20-11, 1459 UTC, CODAN
 20051.7 kHz, 21-11, 0854 UTC, SITOR-A 100/170
 20051.7 kHz, 21-11, 0857 UTC, SITOR-A 100/170
 20056.7 kHz, 21-11, 1154 UTC, SITOR-A 100/170
 20055 kHz, 21-22, 1155 UTC, CODAN
 20036.7 kHz, 21-11, 0904 UTC, SITOR-A 100/170
 20036.7 kHz, 21-11, 0913 UTC, SITOR-A 100/170
 20036.7 kHz, 21-11, 1147 UTC, SITOR-A 100/170
 20036.7 kHz, 21-11, 1152 UTC, SITOR-A 100/170

 20036.7 kHz, 21-11, 1155 UTC, SITOR-A 100/170
 18051.7 kHz, 21-11, 0918 UTC, SITOR-A 100/170
 18050 kHz, 21-22, 0919 UTC, CODAN
 17426.7 kHz, 21-11, 0930 UTC, SITOR-A 100/170
 18051.7 kHz, 21-11, 1200 UTC, SITOR-A 100/170
 20056.7 kHz, 21-11, 1302 UTC, SITOR-A 100/170
 20055 kHz, 21-11, 1308 UTC, CODAN
 20051.7 kHz, 21-11, 1311 UTC, SITOR-A 100/170
 20050 kHz, 21-22, 1312 UTC, CODAN
 20056.7 kHz, 21-11, 1342 UTC, SITOR-A 100/170
 20056.7 kHz, 21-11, 1403 UTC, SITOR-A 100/170
 20055 kHz, 21-22, 1404 UTC, CODAN
 17431.7 kHz, 22-11, 1300 UTC, SITOR-A 100/170
 17430 kHz, 22-11, 1315 UTC, CODAN
 22980 kHz, 22-11, 1303 UTC, CODAN
 20036.7 kHz, 25-11, 1620 UTC, SITOR-A 100/170
 20035 kHz, 25-11, 1622 UTC, CODAN
 20036.7 kHz, 25-11, 1634 UTC, SITOR-A 100/170
 20035 kHz, 25-11, 1635 UTC, CODAN

Unid Egyptian embassy clg SSTE: MFA Cairo
 Unid Egyptian embassy clg SSTE: MFA Cairo
 MFA Cairo wkg XBVC: Egyptian embassy Vienna
 99901: MFA Cairo message to 11106: Egyptian embassy Vienna
 MFA Cairo wkg XBVC: Egyptian embassy Vienna
 99903: MFA Cairo message to 11106: Egyptian embassy Vienna
 MFA Cairo wkg OOV: Egyptian embassy Islamabad
 99901: MFA Cairo message to 11106: Egyptian embassy Vienna
 MFA Cairo clg OOV: Egyptian embassy Islamabad
 99901: MFA Cairo message to 44405: Egyptian embassy Islamabad
 MFA Cairo clg OOV: Egyptian embassy New Delhi
 99901: MFA Cairo message to 44406: Egyptian embassy New Delhi
 MFA Cairo clg TVQX: Egyptian embassy Tehran
 99901: MFA Cairo wkg 21: Egyptian embassy Tehran
 MFA Cairo clg XBVP: Egyptian embassy Rome
 99901: MFA Cairo message to 11105: Egyptian embassy Rome
 99901: MFA Cairo message to 11105: Egyptian embassy Rome
 MFA Cairo clg OOV: Egyptian embassy Islamabad
 99901: MFA Cairo message to 44405: Egyptian embassy Islamabad
 MFA Cairo clg XBVC: Egyptian embassy Vienna
 99903: MFA Cairo message to 11106: Egyptian embassy Vienna
 MFA Cairo clg OOV: Egyptian embassy Islamabad
 99901: MFA Cairo message to 44405: Egyptian embassy Islamabad
 MFA Cairo wkg QQT: Egyptian embassy Prague
 99903: MFA Cairo message to 22201: Egyptian embassy Prague
 MFA Cairo clg OOV: Egyptian embassy Islamabad
 MFA Cairo wkg OOV: Egyptian embassy Islamabad
 MFA Cairo wkg KKVD: Egyptian embassy Conakry
 MFA Cairo wkg TVQX: Egyptian embassy Tehran
 99901: MFA Cairo message to 21: Egyptian embassy Tehran
 MFA Cairo clg KKVU: Egyptian embassy Accra
 99902: MFA Cairo message to 33302: Egyptian embassy Accra
 99901: MFA Cairo message to 44406: Egyptian embassy New Delhi
 MFA Cairo clg OOV: Egyptian embassy New Delhi
 MFA Cairo clg OOV: Egyptian embassy New Delhi
 99901: MFA Cairo message to 44406: Egyptian embassy New Delhi
 MFA Cairo clg KKVD: Egyptian embassy Conakry
 KKVD: Egyptian embassy Conakry wkg SSTU: MFA Cairo
 MFA Cairo clg OOV: Egyptian embassy New Delhi
 99901: MFA Cairo message to 44406: Egyptian embassy New Delhi
 MFA Cairo clg KKXR: Egyptian embassy Ouagadougou
 MFA Cairo clg KKXR: Egyptian embassy Ouagadougou
 Egyptian embassy N'djamena wkg SSTU: MFA Cairo
 MFA Cairo message to Egyptian embassy N'djamena (TO: INDJAMENA, TIME & DATE: 12:56, 21 NOVEMBER, NUMBER OF GROUPS: 232 === off)
 Egyptian embassy N'djamena clg SSTU: MFA Cairo
 MFA Cairo wkg TVQX: Egyptian embassy Tehran
 99901: MFA Cairo message to 21: Egyptian embassy Tehran
 Egyptian diplo
 MFA Cairo clg OOV: Egyptian embassy New Delhi
 MFA Cairo wkg TVXF: unid Egyptian embassy
 99901: MFA Cairo message to 18: unid Egyptian embassy
 MFA Cairo clg KKVD: Egyptian embassy Conakry
 99901: MFA Cairo message to 33308: Egyptian embassy Conakry
 MFA Cairo clg OOV: Egyptian embassy Islamabad
 MFA Cairo clg OOV: Egyptian embassy Islamabad
 99901: MFA Cairo message to 44405: Egyptian embassy Islamabad
 MFA Cairo wkg OOV: Egyptian embassy New Delhi
 99901: MFA Cairo message to 44406: Egyptian embassy New Delhi
 Egyptian diplo i.p.
 MFA Cairo wkg KKXR: Egyptian embassy Ouagadougou
 99902: MFA Cairo message to 33316: Egyptian embassy Ouagadougou
 MFA Cairo clg KKVU: Egyptian embassy Accra
 99902: MFA Cairo message to 33302: Egyptian embassy Accra

20056.7 kHz, 26-11, 1147 UTC, SITOR-A 100/170	MFA Cairo clg KXZ: Egyptian embassy Pretoria
20055 kHz, 26-11, 1148 UTC, CODAN	99901: MFA Cairo message to 33317: Egyptian embassy Pretoria
20056.7 kHz, 26-11, 1158 UTC, SITOR-A 100/170	MFA Cairo clg KXZ: Egyptian embassy Pretoria
20056.7 kHz, 26-11, 1211 UTC, SITOR-A 100/170	MFA Cairo clg KXZ: Egyptian embassy Pretoria
20055 kHz, 26-11, 1213 UTC, CODAN	99901: MFA Cairo message to 33317: Egyptian embassy Pretoria
20056.7 kHz, 26-11, 1218 UTC, SITOR-A 100/170	MFA Cairo clg KXZ: Egyptian embassy Pretoria
18051.7 kHz, 27-11, 0924 UTC, SITOR-A 100/170	MFA Cairo wkg TVQX: Egyptian embassy Tehran
18050 kHz, 27-11, 0927 UTC, CODAN	99902: MFA Cairo message to 21: Egyptian embassy Tehran
17416.7 kHz, 27-11, 0944 UTC, SITOR-A 100/170	MFA Cairo wkg unid embassy (too weak to copy)
17415 kHz, 27-11, 0947 UTC, CODAN	MFA Cairo message to unid embassy (too weak to copy)
20056.7 kHz, 27-11, 0950 UTC, SITOR-A 100/170	MFA Cairo clg OOV: Egyptian embassy Islamabad
20055 kHz, 27-11, 0951 UTC, CODAN	99901: MFA Cairo message to 44405: Egyptian embassy Islamabad
20055 kHz, 27-11, 1026 UTC, CODAN	99901: MFA Cairo message to 44405: Egyptian embassy Islamabad
17416.7 kHz, 27-11, 1021 UTC, SITOR-A 100/170	MFA Cairo clg KXZ: Egyptian embassy Nairobi
20036.7 kHz, 27-11, 1102 UTC, SITOR-A 100/170	MFA Cairo clg KXZ: Egyptian embassy Nairobi
20035 kHz, 27-11, 1103 UTC, CODAN	99901: MFA Cairo message to 33310: Egyptian embassy Nairobi
18051.7 kHz, 27-11, 1426 UTC, SITOR-A 100/170	MFA Cairo wkg KXZ: Egyptian embassy Niamy
18050 kHz, 27-11, 1427 UTC, CODAN	99902: MFA Cairo message to 33320: Egyptian embassy Niamy
20055 kHz, 28-11, 1337 UTC, CODAN	99901: MFA Cairo message to 44406: Egyptian embassy New Delhi
20056.7 kHz, 28-11, 1351 UTC, SITOR-A 100/170	MFA Cairo clg TVXF: unid embassy
20050 kHz, 29-11, 1242 UTC, CODAN	99901: MFA Cairo trying to connect with 44406: Egyptian embassy New Delhi.
20051.7 kHz, 29-11, 1256 UTC, SITOR-A 100/170	MFA Cairo message to OOV: Egyptian embassy New Delhi (L/H 1/ /2024 11 29 730 etc.)
20036.7 kHz, 29-11, 0826 UTC, SITOR-A 100/170	MFA Cairo clg OOV: Egyptian embassy New Delhi

Diplomatic stations: North Korea

Mode: DPRK-ARQ LSB 600Bd/600Hz or 1200Bd/1200Hz

14800 kHz, 07-11, 1207 UTC	
16250 kHz, 07-11, 1207 UTC	
14222 kHz, 08-11, 1205 UTC	
14800 kHz, 08-11, 1305 UTC	
14300 kHz, 08-11, 1209 UTC	
13555 kHz, 08-11, 1249 UTC	
14650 kHz, 08-11, 1249 UTC	
18650 kHz, 08-11, 1238 UTC	
14300 kHz, 11-11, 0810 UTC	
18650 kHz, 12-11, 1232 UTC	
14800 kHz, 12-11, 1316 UTC	
16252 kHz, 12-11, 1319 UTC	
16252 kHz, 13-11, 1309 UTC	
16252 kHz, 19-11, 0642 UTC	
16252 kHz, 23-11, 0805 UTC	
16252 kHz, 25-11, 1300 UTC	
16252 kHz, 27-11, 0639 UTC	
18650 kHz, 27-11, 1236 UTC	
16250 kHz, 29-11, 0658 UTC	
16252 kHz, 29-11, 0630 UTC	North Korean diplo hub Moscow wkg North Korean embassy Geneva on 16800 kHz and various other frequencies
16800 kHz, 29-11, 0630 UTC	North Korean embassy Geneva wkg diplo hub Moscow on 16252 kHz
16252 kHz, 29-11, 0645 UTC	North Korean diplo hub Moscow wkg North Korean embassy Rome on 18650 kHz
18650 kHz, 29-11, 0645 UTC	North Korean embassy Rome skg diplo hub Moscow on 16252 kHz
16252 kHz, 29-11, 0800 UTC	North Korean diplo hub Moscow wkg North Korean embassy Stockholm on 16250 kHz
16250 kHz, 29-11, 0800 UTC	North Korean embassy Stockholm wkg diplo hub Moscow on 16252 kHz
16250 kHz, 30-11, 1203 UTC	
16252 kHz, 30-11, 1203 UTC	
14300 kHz, 30-11, 1204 UTC	North Korean diplo hub Moscow wkg North Korean embassy Berlin
14800 kHz, 30-11, 1204 UTC	North Korean embassy Berlin wkg diplo hub Moscow
14650 kHz, 30-11, 1231 UTC	
16252 kHz, 30-11, 1300 UTC	
18960 kHz, 30-11, 1300 UTC	North Korean diplo hub Moscow wkg North Korean embassy Damascus

Diplomatic stations: Russia

14570 kHz, 01-11, 0919 UTC, MFSK-6
16302 kHz, 01-11, 1008 UTC, Serdolik v2
14824 kHz, 01-11, 1015 UTC, MFSK-6
14356 kHz, 05-11, 0940 UTC, MFSK-66
12149 kHz, 05-11, 0949 UTC, MFSK-6
17454 kHz, 05-11, 0903 UTC, MFSK-6
18194 kHz, 06-11, 1244 UTC, MFSK-6
11453 kHz, 06-11, 1250 UTC, MFSK-66
19878 kHz, 06-11, 1216 UTC, MFSK-6
18575 kHz, 07-11, 0738 UTC, MFSK-6
18575 kHz, 07-11, 0740 UTC, MFSK-6
18751 kHz, 07-11, 1310 UTC, Perelivt PSK8
18945 kHz, 07-11, 0720 UTC, Perelivt PSK8
20837 kHz, 21-22, 0924 UTC, MFSK-6
17577 kHz, 21-22, 0944 UTC, MFSK-66
17477 kHz, 21-22, 1013 UTC, MFSK-66
14473 kHz, 21-22, 0741 UTC, Serdolik v2
14473 kHz, 21-22, 0745 UTC, Serdolik v2
16313 kHz, 21-22, 0738 UTC, Serdolik v2
16313 kHz, 21-22, 0742 UTC, Serdolik v2
16313 kHz, 21-22, 0746 UTC, Serdolik v2
15883 kHz, 21-22, 1544 UTC, MFSK-66
19858 kHz, 07-11, 0808 UTC, MFSK-6
17534 kHz, 07-11, 0817 UTC, MFSK-6
18197 kHz, 07-11, 0915 UTC, MFSK-6
20837 kHz, 07-11, 0922 UTC, MFSK-6
14414 kHz, 07-11, 1040 UTC, MFSK-6
18230 kHz, 08-11, 1359 UTC, Serdolik v2
18230 kHz, 08-11, 1409 UTC, Serdolik v2
18312 kHz, 13-11, 1052 UTC, OFDM-112
18221 kHz, 14-11, 0810 UTC, Serdolik v2
14826 kHz, 15-11, 0815 UTC, Serdolik v2
14826 kHz, 15-11, 0817 UTC, Serdolik v2
14828 kHz, 15-11, 0838 UTC, MFSK-6
14828 kHz, 15-11, 0847 UTC, Serdolik v2
16302 kHz, 15-11, 1015 UTC, Serdolik v2
16320 kHz, 15-11, 1326 UTC, MFSK-6
18326 kHz, 15-11, 0911 UTC, OFDM-121
18654 kHz, 15-11, 0703 UTC, OFDM-121
12226 kHz, 18-11, 0800 UTC, MFSK-66
14878 kHz, 18-11, 0826 UTC, MFSK-66
12152 kHz, 18-11, 0831 UTC, MFSK-6
12146 kHz, 18-11, 0846 UTC, MFSK-66
14392 kHz, 18-11, 0908 UTC, MFSK-6
14615 kHz, 19-11, 0749 UTC, MFSK-6
17454 kHz, 19-11, 0839 UTC, MFSK-6
11085 kHz, 19-11, 0921 UTC, MFSK-6
14801 kHz, 19-11, 0932 UTC, MFSK-66
13401 kHz, 19-11, 0929 UTC, MFSK-6
14452 kHz, 20-11, 0842 UTC, Serdolik v2
16110 kHz, 20-11, 1227 UTC, MFSK-66
18245 kHz, 20-11, 1238 UTC, MFSK-6
19112 kHz, 20-11, 1318 UTC, Serdolik v2
19112 kHz, 20-11, 1322 UTC, Serdolik v2
19112 kHz, 20-11, 1325 UTC, Serdolik v2
19110 kHz, 20-11, 1329 UTC, Serdolik v2
19112 kHz, 20-11, 1335 UTC, Serdolik v2
19110 kHz, 20-11, 1336 UTC, Serdolik v2
19110 kHz, 20-11, 1349 UTC, Serdolik v2
18662 kHz, 20-11, 1321 UTC, Serdolik v2
18662 kHz, 20-11, 1324 UTC, Serdolik v2

MFA Moscow clg 324615: Russian embassy Madrid
Russian diplo
MFA Moscow clg 625413: Russian embassy Tel Aviv
Russian diplo
MFA Moscow clg 154263: Russian embassy Rome
MFA Moscow clg 325614: Russian embassy Nairobi
MFA Moscow clg 231654: Russian embassy Abuja
Russian diplo
MFA Moscow clg 256134: Russian embassy Abuja
MFA Moscow clg 352416: Russian embassy Dar es Salaam
MFA Moscow clg 352416: Russian embassy Dar es Salaam
Russian Diplo
Russian Diplo
MFA Moscow clg 645321: Russian Consulate General Ho Chi Minh City
Russian diplo
Russian diplo
Russian diplo. Test
Russian diplo. Test
Russian diplo. Test
Russian diplo. Test
Russian diplo. Test
Russian diplo
MFA Moscow clg 351264: Russian embassy Abu Dhabi
MFA Moscow clg 351264: Russian embassy Abu Dhabi
MFA Moscow clg 645321: Russian Consulate General Ho Chi Minh City
MFA Moscow clg 645321: Russian Consulate General Ho Chi Minh City
MFA Moscow clg 145632: Russian embassy Algiers
Russian diplo. Test
Russian diplo
Russian diplo
Russian diplo
Russian diplo. Selcal
Russian diplo
MFA Moscow clg 213546: Russian embassy Islamabad
Russian diplo
Russian diplo
MFA Moscow clg 241563: Russian Consulate General Karachi
Russian diplo
Russian diplo
Russian diplo
Russian diplo
MFA Moscow clg 432516: Russian embassy Bern
Russian diplo
MFA Moscow clg 532614: Russian embassy Paris
MFA Moscow clg 125643: Russian embassy Ulaanbataar
MFA Moscow clg 325614: Russian embassy Nairobi
MFA Moscow clg 154263: Russian embassy Rome
Russian diplo
MFA Moscow clg 154263: Russian embassy Rome
Russian diplo
Russian diplo
MFA Moscow clg 231654: Russian embassy Abuja
Russian diplo. Selcal
Russian diplo. Selcal
Russian diplo. Selcal
Russian diplo. Test
Russian diplo. Selcal
Russian diplo.
Russian diplo. Test
Russian diplo. Selcal
Russian diplo. Selcal

16112 kHz, 20-11, 1330 UTC, Serdolik v2	Russian diplo
16112 kHz, 20-11, 1349 UTC, Serdolik v2	Russian diplo. Selcal
18293 kHz, 20-11, 1310 UTC, OFDM-112	Russian diplo
16315 kHz, 21-11, 0731 UTC, Serdolik v2	Russian diplo. Selcal
21824 kHz, 21-11, 0733 UTC, Serdolik v2	Russian diplo. Selcal
16315 kHz, 21-11, 0734 UTC, Serdolik v2	Russian diplo. Selcal
14474 kHz, 21-11, 0735 UTC, Serdolik v2	Russian diplo. Selcal
21824 kHz, 21-11, 0736 UTC, Serdolik v2	Russian diplo. Selcal
17534 kHz, 21-11, 0758 UTC, MFSK-6	MFA Moscow clg 351264: Russian embassy Abu Dhabi
20844 kHz, 21-11, 0918 UTC, MFSK-66	Russian diplo
18197 kHz, 21-11, 0931 UTC, MFSK-6	MFA Moscow clg 645321: Russian Consulate General Ho Chi Minh City
17479 kHz, 21-11, 0945 UTC, MFSK-66	Russian diplo
20627 kHz, 21-11, 1329 UTC, MFSK-6	MFA Moscow clg 436512: Russian embassy Harare
13471 kHz, 22-11, 0941 UTC, MFSK-66	Russian intel.
18711 kHz, 22-11, 1022 UTC, MFSK-66	Russian intel.
16138 kHz, 22-11, 1443 UTC, MFSK-66	Russian intel.
19112 kHz, 23-11, 0843 UTC, Serdolik v2	Russian diplo. Selcal
19110 kHz, 23-11, 0846 UTC, Serdolik v2	Russian diplo
19112 kHz, 23-11, 0852 UTC, Serdolik v2	Russian diplo. Selcal
19112 kHz, 23-11, 0858 UTC, Serdolik v2	Russian diplo. Selcal
19110 kHz, 23-11, 0902 UTC, Serdolik v2	Russian diplo. Test
19112 kHz, 23-11, 0906 UTC, Serdolik v2	Russian diplo. Selcal
19110 kHz, 23-11, 0910 UTC, Serdolik v2	Russian diplo. Test
17470 kHz, 26-11, 1002 UTC, MFSK-6	MFA Moscow clg 216354: Russian Consulate General Chennai
14515 kHz, 27-11, 0818 UTC, MFSK-66	Russian diplo
13369 kHz, 27-11, 0821 UTC, MFSK-6	MFA Mosco clg 412356: Russian embassy Budapest
11164 kHz, 27-11, 0828 UTC, MFSK-66	Russian diplo
11153 kHz, 27-11, 0854 UTC, Serdolik v2	Russian diplo. Selcal
11154 kHz, 27-11, 0855 UTC, Serdolik v2	Russian diplo
10172 kHz, 27-11, 0909 UTC, MFSK-6	MFA Moscow clg 465132: Russian embassy Sofia
10239 kHz, 27-11, 0903 UTC, Serdolik v2	Russian diplo
11154 kHz, 27-11, 0904 UTC, Serdolik v2	Russian diplo
13854 kHz, 28-11, 0808 UTC, MFSK-6	MFA Moscow clg 521634: Russian embassy Bucharest
16153 kHz, 28-11, 0822 UTC, MFSK-6	MFA Moscow clg 153624: Russian embassy Damascus

Diplomatic stations: U.S.A.

08058.6 kHz, 10-11, 1037 UTC	KWX92: US embassy London clg KBZ76: OECD Mission Paris
06902.6 kHz, 10-11, 1100 UTC	KWX92: US embassy London clg KJB33: US Mission to NATO, Brussels
24883.6 kHz, 10-11, 1105 UTC	KWX93: US embassy Reykjavik clg. KWX92: US embassy London
24883.6 kHz, 10-11, 1105 UTC	KWX92: US embassy London clg KWX93: US embassy Reykjavik
24883.6 kHz, 10-11, 1133 UTC	KAG29: Unid embassy clg KWV71: US embassy Ankara

CLANDESTINE RADIO, TARGETED RADIO & JAMMERS

15155 kHz, 16-11, 1230 UTC, AM	Radio Free Asia jammed by Vietnam
11535 kHz, 16-11, 1245 UTC, AM	Denge Gel program in Kurdish
11530 kHz, 16-11, 1245 UTC, AM	Radyo Recep Erdogan jammer
11525 kHz, 16-11, 1316 UTC, AM	Denge Gel program in Kurdish

Russian-Ukrainian radio war

6911 kHz, 20-11, 1951 UTC, USB	Air Raid Siren for hours
7032 kHz, 20-11, 2140 UTC, USB	Ukrainian songs
7050 kHz, 21-11, 1453 UTC, LSB	Looped tapes Several stations on top of each other
6911 kHz, 21-11, 1456 UTC, USB	Unid signal a.k.a. Stalingrad Clock. Named after the Soviet Worl War II psychological warfare against the Germans. The Soviets broadcast messages as "Every seven seconds a German soldier dies. Stalingrad maas grave."
10461 kHz, 27-11, 0955 UTC, USB	Anti Putin/Russia propaganda loop on top of a Russian station
14110 kHz, 27-11, 1103 UTC, USB	Anti Putin/Russia propaganda loop. Same message as on 10641 kHz
10465 kHz, 27-11, 1343 UTC, USB	Anti Ukraine propaganda
7050 kHz, 27-11, 1347 UJTC, LSB	Music
7060 kHz, 27-11, 1502 UTC, LSB	Music
6911 kHz, 29-11, 0610 UTC, USB	Russian nation anthem (pop version) // 7032, 7649, 8514, 9310 kHz

UTILITY ROUND-UP

Unid station a.k.a. New Buzzer

The station usually sends on three frequencies at the same time.

5365 kHz, 10-11, 1543 UTC	5365 kHz, 16-11, 1628 UTC	5782 kHz, 18-11, 1836 UTC	5782 kHz, 20-11, 1855 UTC
6365 kHz, 10-11, 1543 UTC	6365 kHz, 16-11, 1628 UTC	5950 kHz, 18-11, 1836 UTC	5950 kHz, 20-11, 1855 UTC
8365 kHz, 10-11, 1543 UTC	8365 kHz, 16-11, 1628 UTC	6930 kHz, 18-11, 1836 UTC	6930 kHz, 20-11, 1855 UTC
8365 kHz, 13-11, 1529 UTC	5782 kHz, 16-11, 1730 UTC	5782 kHz, 19-11, 1942 UTC	8365 kHz, 21-11, 1507 UTC
6365 kHz, 13-11, 1529 UTC	5950 kHz, 16-11, 1730 UTC	5950 kHz, 19-11, 1942 UTC	
	6930 kHz, 16-11, 1730 UTC	6930 kHz, 19-11, 1942 UTC	5782 kHz, 30-11, 2149 UTC
5806 kHz, 14-11, 1016 UTC			5950 kHz, 30-11, 2149 UTC
6911 kHz, 14-11, 1016 UTC	5782 kHz, 17-11, 2030 UTC	8365 kHz, 20-11, 1515 UTC	6930 kHz, 30-11, 2149 UTC
	5950 kHz, 17-11, 2030 UTC		
5782 kHz, 15-11, 1938 UTC	6930 kHz, 17-11, 2030 UTC		
5950 kHz, 15-11, 1938 UTC			
6930 kHz, 15-11, 1938 UTC			

MFSK-11

18376 kHz, 26-11, 1140 UTC, MFSK-11	Unid station
18376 kHz, 26-11, 1200 UTC, MFSK-11	Unid station

RUSSIAN MILITARY TRANSCRIPTS

Excerpts from messages submitted by AB, TJ, CL, Cic and F5JBR

Voice transmissions

Logged by Ciccio

31.875 MHz, 01-11, 1308 UTC

REKTOR22 sends a radiogram to BURKA31

262 32 01 1609 262 = ZKO 322 207 =

..... 20735 ...42 80646 80066 26916 44841 65227 31701

43269 03451 8442. 42375 07453 43059 94212 10333

10001 2.... 72644 722.. 20451 28529 49094 17451 63077

95231 13068

The radiogram is repeated by BURKA31. A final passage with REKTOR22 giving a kind of signature: 68 66/4 004, repeated by BURKA31. The QSO ends with BURKA31 giving "priyom"

31.825 MHz, 21-11, 1203 UTC

KOL33 sends a radiogram to ISTOK03

760 32 21 1502 760 = ZFN 164 307 =

86487 48121 79977 81412 38649 44947 74387 32903 46170 89690

59249 99082 08644 36183 61477 76560 53041 71897 32073 69664

27654 45461 23387 27136 17220 30461 7....

16175 98200

Russian Air Defense voice traffic

2705.5 kHz, 01-11, 1709 UTC

Russian Air Defense Tracking

Morse transmissions

Russian Military morse traffic

12741 kHz 04-11, 1646 UTC

XXX XXX XHOP XHOP 48636 04757 PLANOLARD 0559 9737 PODMALEP (or PODMALEWKA?) 1744 3311 K

Shortly followed by a strategic message to RDL: XXX XXX RDL RDL 22392 92944 NEUTEWNOSTX 7520 9022 K

12741 kHz is usually parallel to VLF 18.1 kHz, but this time it was on 21.1 kHz as VLF 18.1 kHz suddenly dramatically reduced its output power and went dead.

12741 then broadcasted this: XXX XXX (FSK CW) into T600 50/200 idle, back to FSK CW: "TT TT TT TT" all parallel to 21.1 kHz. Very weak signals heard on 18.1 only.

Then at 1658 UTC broadcast back to normal with 18.1 kHz up and parallel to 12741 but with a parallel broadcast on 21.1 kHz as well.

TJ found this interesting station on 7741 kHz. It seems to be a strategic command.

It is a bit odd though. The same messages were repeated two days in a row. The station uses the @ character which is also odd. So, what is this and who is it ? Test or exercise transmissions? Maybe Russian military although the format is not 100% Russian. It might come from Belarus. TJ reported that there was another station on the same frequency but it was barely audible.

7741 kHz, 05-11

1220 UTC Channel marker using pips/dots in morse, ca 4/sec ongoing, variable breaks between long string of dots
1246 UTC XXX XXX ROSA ROSA MALINA 8675 1473 K repeated for at least 10 minutes! Not Russian Style
1304 UTC XXX XXX ROSA ROSA 57XX0 BEREZA 2534 0596 K repeated a couple of times and directly into new message without any error correction: XXX XXX ROSA ROSA 67890 BEREZA 2534 0596 K
1340-1400 UTC Pips ca 4/sec, starts up directly after end of repeat of previous strategic message to "ROSA"
1403 UTC Unid station and operator, A1A, very weak, observed after the dots channel marker went off air at 1400 UTC. This station transmitted what sounded like several messages with numbers and letters, too weak to get anything meaningful out of the transmission, station off air at 1411 UTC

7741 kHz, 06-11

0700 UTC Dots for 30 mins.
0730 UTC XXX XXX ROSA ROSA MALN 8675 1473 K with numerous repeats. Then this strange thing happened; the code word changed for each repeat; MALN, MALNA, MALINA, DALINET, MALINA, WALINA and back to MALN!!
0749 UTC XXX XXX ROSA ROSA 67890 BEREZA 2534 0596 K (repeated)
0843 UTC XXX XXX ROSA ROSA 67890 568 @ SOKOL PPSSP SSPPS SPPPP SSSSSPSP SPSPS TTTTT NNNNN @ K
0845 UTC XXX XXX ROSA ROSA 67890 MALINA 8675 1473 (repeated)
0920 UTC XXX XXX ROSA ROSA 67890 0596 K
0921 UTC XXX XXX ROSA ROSA 67890 BEREZA 2534 0596 K (repeated)
0929 UTC XXX XXX ROSA ROSA 67890 323 @ TRELX (off)
1135 UTC XXX XXX ROSA ROSA 67890 MALINA 8675 1473 (repeated)
1141 UTC XXX XXX ROSA ROSA 67890 BEREZA 2534 0596 K (repeated)
1154 UTC XXX XXX ROSA ROSA 67890 MALINA 8675 1473 (repeated)
1230 UTC XXX XXX ROSA ROSA 67890 MALINA 8675 1473 K (repeated)
1253 UTC XXX XXX ROSA ROSA 67890 BEREZA 2534 0596 (repeated)

Also active on 7741 kHz, 07-11 and perhaps also later.

1016 UTC Message to "ROSA" and codeword+number "MALINA 8675 1473" with the regular numerous repeats.
1020 UTC Sudden break after "ROSA ROSA 678"
1239 UTC Fast morse. XXX XXX A44C A44C 26754 67890 SINEWA 9855 0996 K", again with a number of repeats. And after some time into the "regular" slower morse with; "XXX XXX ROSA ROSA 67891 MALINA 8675 1473 K"
1328 UTC i.p. XXX XXX A44C A44C 26754 67890 SINEWA 9855 0996 K.
1422 UTC i.p. XXX XXX ROSA ROSA 4578 67890 BEREZA 2534 0596 K

4855 kHz, 04-11, 1110 UTC XXX VD9B 10887 REFOWEK 3256 9280 K

8543 kHz, 04-11, 1116 UTC XXX IQ4O 02196 DOLOVEST 0216 4257 K

6698 kHz, 07-11, 1408 UTC

AYWU 541 24 7 1655 541 = = 04

AYWU = AYWU 541 24 7 1655 541 K

AYWU RPT AA ? K

AYWU = 040 K

AYWU = LGRTA MUJFR DIYuVE NOUCW DIYuVE

AYWU = DIYuVE NOUCU DIYuVE NO

AYWU = DIYuVE NOUCW DIYuVE NOUCW DIYuVE NOUCW VLCCW YWAPI EORGM ZOVHR AWRUT ROYuVN OHVHP AWYaMSh

LDHEK UWFEK UWFK HPVPZ KENAY OQLYaC PUPWYa 609 K

AYWU = 609 K

JOKK QRV K

12935 kHz, 08-11, 1230 UTC, i.p.

ZVY AR

MI4G MI4G MI4G DE 70C ZVY AAR

MI4G MI4G 925 34 8 15 26 925 = ZVY 791 = 5LG message ... ISUZW KYWFP PIPEP 575 K

XPS1 DE IWS2R 925? K

4T1K DE IWS2R 925? K

7637.5 kHz, 11-11

Net Control is 8YB9 wkg A7DW, ZEIL, KSLF, DIQK. (Qsx not found)

Format:

8YB9 T37 18 11 1T53 T37 = ZTW 568 868 = DVDVD OBALO OBALO ... 5LG'S ...

8YB9 71T 19 11 1T46 71T = ZMR 5 6 8 868 = AAAAA DDDDD STARD ... AAKET K

2YS8 2YS8 2YS8

7T5 _7 11 1622 7T5

= ZGB 2T5224 2835T9 2T5474 735442 126161 =

1116T 32835 8546T 72TT4 1TTT8 8553T 92TXX

1116T 42656 8856T 7T4T6 1TTT6 865XX 92TXX

1116T 23744 8896T 427T3 1TTT4 84T21 11T2T K

2YS8 2YS8 2YS8

558 27 11 1316 558

= ZUX 2T5224 2835T9 2T5474 735442 126161 =

1113T

ZEIL DE 8YB9

427 66 11 1639 427

= ZYR 2T5 474 =

HQWIX

Several flash messages appeared on the same frequency:

XXX XXX 2YS8 2YS8 _1051 WEREGANXE 7530 5684 K

XXX XXX 2YS8 2YS8 79894 PATOTUZ 4136 6308 K

XXX XXX A7DW A7DW 79894 PATOTUZ 4136 6308 K

7637.5 kHz, 12-11, 0731 UTC. Qsx 7754 kHz

Net Control: ZBCM

Outstations M9BO, LTFL, DO2A, AEND

Collective c/s 1FPT

Net Control sends meteo observations for 3 airfields/bases(?); 32835, 42656 and 23744 and asks for confirmation (ZGB "reply in order of")

1FPT 1FPT 1FPT QTC AR

1FPT 1FPT 1FPT

804 28 12 1522 804

= ZGB 205510 875776 205017 107007 524348 =

12150 32835 92460 7240411007 86510 913XX

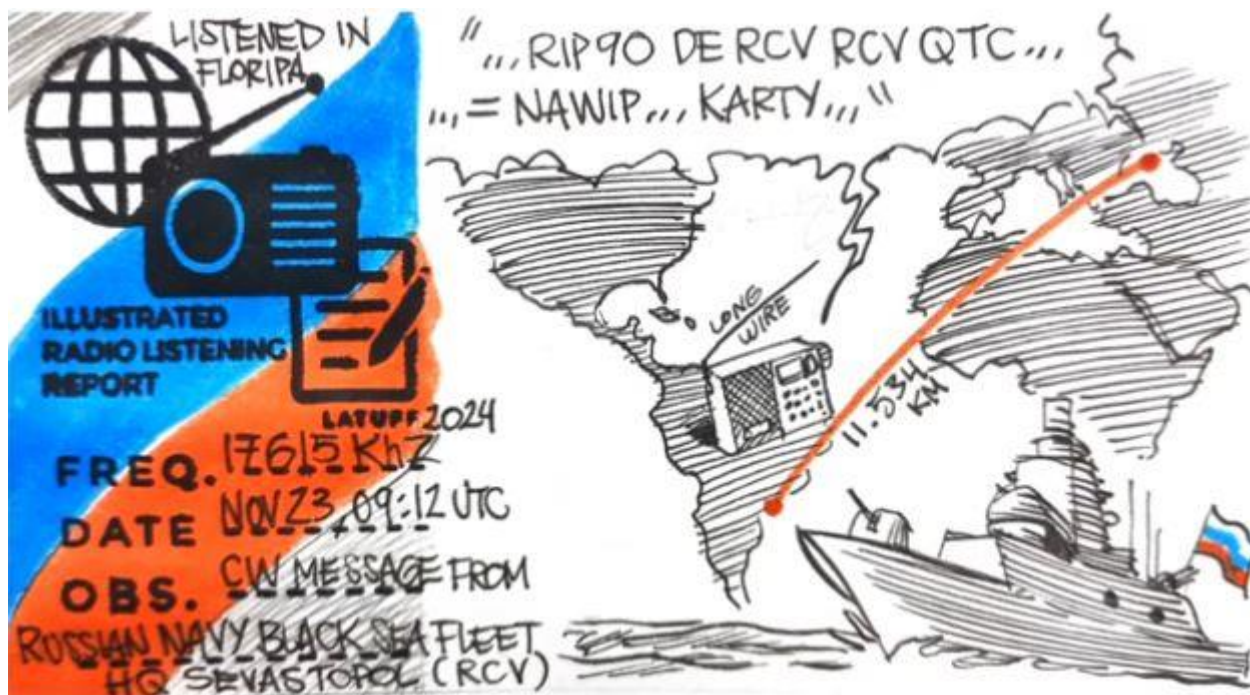
12150 42656 95460 82205 11011 885XX 912XX

12150 23744 93360 82404 11022 865XX 908XX 12021 K

Russian Navy morse traffic

17615 kHz, 23-11, 0912 UTC.

Weather broadcast from Russian Navy Black Sea Fleet in Sevastopol. Heard in Florianopolis, Brazil by Carlos Latuff. Distance: 11534 km.



© Carlos Latuff

Russian Air Force morse traffic

6930 kHz, 26-11. QSX on 8970 kHz. Russian Air Force Tu-95MS

0805 UTC 5XIW wkg Net Control: 5XIW NW 331 243 386 613 166 K

0815 UTC 5XIW wkg Net Control: 5XIW NW 969 279 226 661 758 K

0823 UTC 5XIW wkg Net Control: 5XIW NW 969 279 226 661 758 K

0823 UTC 5XIW wkg Net Control: 5XIW NW 01741 82623 95340 K

8970 kHz, 26-11. QSX on 6930 kHz. Russian Air Force Tu-95MS

0840 UTC FVO6 wkg 5XIW, SONJ and TK9H

0842 UTC FVO6 wkg TK9H NW 476 927 151 692 876 K

0900 UTC FVO6 wkg TK9H NW 261 354 184 582 780 K

LOGS SECTION

Code	Date	UTC	Freq	Day	Details	Mode	Contributor
---	10-11	1543	5365	Sun	Unid station a.k.a. New Buzzer	USB	(AB)
---	10-11	1543	6365	Sun	Unid station a.k.a. New Buzzer	USB	(AB)
---	10-11	1543	8365	Sun	Unid station a.k.a. New Buzzer	USB	(AB)
---	13-11	1529	6365	Wed	Unid station a.k.a. New Buzzer	USB	(AB)
---	13-11	1529	8365	Wed	Unid station a.k.a. New Buzzer	USB	(AB)
---	14-11	1016	5806	Thu	Unid station a.k.a. New Buzzer	USB	(AB)
---	14-11	1016	6911	Thu	Unid station a.k.a. New Buzzer	USB	(AB)
---	15-11	1938	5782	Fri	Unid station a.k.a. New Buzzer	USB	(AB)
---	15-11	1938	5950	Fri	Unid station a.k.a. New Buzzer	USB	(AB)
---	15-11	1938	6930	Fri	Unid station a.k.a. New Buzzer	USB	(AB)
---	16-11	1628	5365	Sat	Unid station a.k.a. New Buzzer	USB	(AB)
---	16-11	1628	6365	Sat	Unid station a.k.a. New Buzzer	USB	(AB)
---	16-11	1628	8365	Sat	Unid station a.k.a. New Buzzer	USB	(AB)
---	16-11	1730	5782	Sat	Unid station a.k.a. New Buzzer	USB	(AB)
---	16-11	1730	5950	Sat	Unid station a.k.a. New Buzzer	USB	(AB)
---	16-11	1730	6930	Sat	Unid station a.k.a. New Buzzer	USB	(AB)
---	17-11	2030	5782	Sun	Unid station a.k.a. New Buzzer	USB	(AB)
---	17-11	2030	5950	Sun	Unid station a.k.a. New Buzzer	USB	(AB)
---	17-11	2030	6930	Sun	Unid station a.k.a. New Buzzer	USB	(AB)
---	18-11	1836	5782	Mon	Unid station a.k.a. New Buzzer	USB	(AB)
---	18-11	1836	5950	Mon	Unid station a.k.a. New Buzzer	USB	(AB)
---	18-11	1836	6930	Mon	Unid station a.k.a. New Buzzer	USB	(AB)
---	19-11	1942	5782	Tue	Unid station a.k.a. New Buzzer	USB	(AB)
---	19-11	1942	5950	Tue	Unid station a.k.a. New Buzzer	USB	(AB)
---	19-11	1942	6930	Tue	Unid station a.k.a. New Buzzer	USB	(AB)
---	20-11	1515	8365	Wed	Unid station a.k.a. New Buzzer	USB	(AB)
---	20-11	1855	5782	Wed	Unid station a.k.a. New Buzzer	USB	(AB)
---	20-11	1855	5950	Wed	Unid station a.k.a. New Buzzer	USB	(AB)
---	20-11	1855	6930	Wed	Unid station a.k.a. New Buzzer	USB	(AB)
---	21-11	1507	8365	Thu	Unid station a.k.a. New Buzzer	USB	(AB)
---	26-11	1140	18376	Tue	Unid station	MFSK-11	(AB)
---	26-11	1200	18376	Tue	Unid station	MFSK-11	(AB)
---	30-11	2149	5782	Sat	Unid station a.k.a. New Buzzer	USB	(AB)
---	30-11	2149	5950	Sat	Unid station a.k.a. New Buzzer	USB	(AB)
---	30-11	2149	6930	Sat	Unid station a.k.a. New Buzzer	USB	(AB)
----	20-11	1951	6911	Wed	Air Raid Siren for hours	USB	(AB)
----	20-11	2140	7032	Wed	Ukrainian songs	USB	(AB)
BUL	1-11	0926	14755	Fri	Bulgarian diplo	RFSM	(AB)
BUL	1-11	0940	17440	Fri	Bulgarian diplo	RFSM	(AB)

BUL	1-11	1130	18515	Fri	Bulgarian diplo	RFSM	(AB)
BUL	1-11	1357	18455	Fri	Bulgarian diplo	RFSM	(AB)
BUL	5-11	0923	14755	Tue	Bulgarian diplo	RFSM	(AB)
BUL	5-11	1123	18515	Tue	Bulgarian diplo	RFSM	(AB)
BUL	5-11	1330	17440	Tue	Bulgarian diplo	RFSM	(AB)
BUL	5-11	1358	18455	Tue	Bulgarian diplo	RFSM	(AB)
BUL	7-11	0926	14755	Thu	Bulgarian diplo	RFSM	(AB)
BUL	7-11	0937	18455	Thu	Bulgarian diplo	RFSM	(AB)
BUL	7-11	1039	18515	Thu	Bulgarian diplo	RFSM	(AB)
BUL	7-11	1325	17440	Thu	Bulgarian diplo	RFSM	(AB)
BUL	8-11	0927	14755	Fri	Bulgarian diplo	RFSM	(AB)
BUL	8-11	1126	18515	Fri	Bulgarian diplo	RFSM	(AB)
BUL	8-11	1323	17440	Fri	Bulgarian diplo	RFSM	(AB)
BUL	8-11	1357	18455	Fri	Bulgarian diplo	RFSM	(AB)
BUL	11-11	1120	18515	Mon	Bulgarian diplo	RFSM	(RL)
BUL	11-11	1325	18455	Mon	Bulgarian diplo	RFSM	(RL)
BUL	12-11	0926	14755	Tue	Bulgarian diplo	RFSM	(AB)
BUL	12-11	1121	18515	Tue	Bulgarian diplo	RFSM	(AB)
BUL	12-11	1258	18455	Tue	Bulgarian diplo	RFSM	(AB)
BUL	12-11	1323	17440	Tue	Bulgarian diplo	RFSM	(AB)
BUL	13-11	1127	18515	Wed	Bulgarian diplo	RFSM	(AB)
BUL	13-11	1325	17440	Wed	Bulgarian diplo	RFSM	(AB)
BUL	13-11	1356	18455	Wed	Bulgarian diplo	RFSM	(AB)
BUL	14-11	0927	14755	Thu	Bulgarian diplo	RFSM	(AB)
BUL	14-11	1124	18515	Thu	Bulgarian diplo	RFSM	(AB)
BUL	14-11	1150	18455	Thu	Bulgarian diplo	RFSM	(AB)
BUL	14-11	1322	17440	Thu	Bulgarian diplo	RFSM	(AB)
BUL	15-11	0928	14755	Fri	Bulgarian diplo	RFSM	(AB)
BUL	15-11	1127	18515	Fri	Bulgarian diplo	RFSM	(AB)
BUL	15-11	1325	17440	Fri	Bulgarian diplo	RFSM	(AB)
BUL	15-11	1355	18455	Fri	Bulgarian diplo	RFSM	(AB)
BUL	18-11	0928	14755	Mon	Bulgarian diplo	RFSM	(AB)
BUL	18-11	1122	18515	Mon	Bulgarian diplo	RFSM	(AB)
BUL	18-11	1324	17440	Mon	Bulgarian diplo	RFSM	(AB)
BUL	18-11	1358	18455	Mon	Bulgarian diplo	RFSM	(AB)
BUL	19-11	0921	14755	Tue	Bulgarian diplo	RFSM	(AB)
BUL	19-11	1125	18515	Tue	Bulgarian diplo	RFSM	(AB)
BUL	19-11	1326	17440	Tue	Bulgarian diplo	RFSM	(AB)
BUL	19-11	1358	18455	Tue	Bulgarian diplo	RFSM	(AB)
BUL	20-11	0759	14755	Wed	Bulgarian diplo	RFSM	(AB)
BUL	20-11	1126	18515	Wed	Bulgarian diplo	RFSM	(AB)
BUL	20-11	1304	17440	Wed	Bulgarian diplo	RFSM	(AB)
BUL	20-11	1357	18455	Wed	Bulgarian diplo	RFSM	(AB)

BUL	21-11	1121	18515	Thu	Bulgarian diplo	RFSM	(AB)
BUL	21-11	1323	17440	Thu	Bulgarian diplo	RFSM	(AB)
BUL	21-11	1358	18455	Thu	Bulgarian diplo	RFSM	(AB)
BUL	25-11	0920	14755	Mon	Bulgarian diplo	RFSM	(AB)
BUL	25-11	1029	18515	Mon	Bulgarian diplo	RFSM	(AB)
BUL	25-11	1356	18455	Mon	Bulgarian diplo	RFSM	(AB)
BUL	26-11	1121	18515	Tue	Bulgarian diplo	RFSM	(AB)
BUL	26-11	1325	17440	Tue	Bulgarian diplo	RFSM	(AB)
BUL	26-11	1358	18455	Tue	Bulgarian diplo	RFSM	(AB)
BUL	26-11	1457	20955	Tue	Bulgarian diplo	RFSM	(AB)
BUL	27-11	0930	14755	Wed	Bulgarian diplo	RFSM	(AB)
BUL	27-11	1121	18515	Wed	Bulgarian diplo	RFSM	(AB)
BUL	27-11	1326	17440	Wed	Bulgarian diplo	RFSM	(AB)
BUL	27-11	1358	18455	Wed	Bulgarian diplo	RFSM	(AB)
BUL	27-11	1455	20955	Wed	Bulgarian diplo	RFSM	(AB)
BUL	28-11	1126	18515	Thu	Bulgarian diplo	RFSM	(AB)
BUL	28-11	1219	18455	Thu	Bulgarian diplo	RFSM	(AB)
BUL	28-11	1324	17440	Thu	Bulgarian diplo	RFSM	(AB)
BUL	28-11	1452	20955	Thu	Bulgarian diplo	RFSM	(AB)
BUL	29-11	1452	20955	Fri	Bulgarian diplo	RFSM	(AB)
DPRK	7-11	1207	14800	Thu	DPRK diplo	DPRK-ARQ LSB	(AB)
DPRK	7-11	1207	16250	Thu	DPRK diplo	DPRK-ARQ LSB	(AB)
DPRK	8-11	1205	14222	Fri	DPRK diplo	DPRK-ARQ LSB	(AB)
DPRK	8-11	1209	14300	Fri	DPRK diplo	DPRK-ARQ LSB	(AB)
DPRK	8-11	1238	18650	Fri	DPRK diplo	DPRK-ARQ LSB	(AB)
DPRK	8-11	1249	13555	Fri	DPRK diplo	DPRK-ARQ LSB	(AB)
DPRK	8-11	1249	14650	Fri	DPRK diplo	DPRK-ARQ LSB	(AB)
DPRK	8-11	1305	14800	Fri	DPRK diplo	DPRK-ARQ LSB	(AB)
DPRK	11-11	0810	14300	Mon	DPRK diplo	DPRK-ARQ LSB	(AB)
DPRK	12-11	1232	18650	Tue	DPRK diplo	DPRK-ARQ LSB	(AB)
DPRK	12-11	1316	14800	Tue	DPRK diplo	DPRK-ARQ LSB	(AB)
DPRK	12-11	1319	16252	Tue	DPRK diplo	DPRK-ARQ LSB	(AB)
DPRK	13-11	1309	16252	Wed	DPRK diplo	DPRK-ARQ LSB	(AB)
DPRK	19-11	0642	16252	Tue	DPRK diplo	DPRK-ARQ LSB	(AB)
DPRK	23-11	0805	16252	Sat	DPRK diplo.	DPRK-ARQ LSB	(AB)
DPRK	25-11	1300	16252	Mon	DPRK diplo	DPRK-ARQ LSB	(AB)
DPRK	27-11	0639	16252	Wed	DPRK diplo	DPRK-ARQ LSB	(AB)
DPRK	27-11	1236	18650	Wed	DPRK diplo	DPRK-ARQ LSB	(AB)
DPRK	29-11	0630	16252	Fri	DPRK diplo hub Moscow wkg DPRK embassy Geneva on 16800 kHz and various other frequencies	DPRK-ARQ LSB	(Peder)
DPRK	29-11	0630	16800	Fri	DPRK embassy Geneva wkg diplo hub Moscow on 16252 kHz	DPRK-ARQ LSB	(Peder)
DPRK	29-11	0645	16252	Fri	DPRK diplo hub Moscow wkg DPRK embassy Rome on 18650 kHz	DPRK-ARQ LSB	(Peder)
DPRK	29-11	0645	18650	Fri	DPRK embassy Rome skg diplo hub Moscow on 16252 kHz	DPRK-ARQ LSB	(Peder)

DPRK	29-11	0658	16250	Fri	DPRK diplo	DPRK-ARQ LSB	(AB)
DPRK	29-11	0800	16250	Fri	DPRK embassy Stockholm wkg diplo hub Moscow on 16252 kHz	DPRK-ARQ LSB	(AB/Peder)
DPRK	29-11	0800	16252	Fri	DPRK diplo hub Moscow wkg DPRK embassy Stockholm on 16250 kHz	DPRK-ARQ LSB	(AB/Peder)
DPRK	30-11	1203	16250	Sat	DPRK diplo	DPRK-ARQ LSB	(AB)
DPRK	30-11	1203	16252	Sat	DPRK diplo	DPRK-ARQ LSB	(AB)
DPRK	30-11	1204	14300	Sat	DPRK diplo hub Moscow wkg DPRK embassy Berlin	DPRK-ARQ LSB	(AB)
DPRK	30-11	1204	14800	Sat	DPRK embassy Berlin wkg diplo hub Moscow	DPRK-ARQ LSB	(AB)
DPRK	30-11	1231	14650	Sat	DPRK diplo	DPRK-ARQ LSB	(AB)
DPRK	30-11	1300	16252	Sat	DPRK diplo	DPRK-ARQ LSB	(AB)
DPRK	30-11	1300	18960	Sat	DPRK diplo hub wkg DPRK embassy Damascus	DPRK-ARQ LSB	(AB)
E07	1-11	1500	14737	Fri	751 751 751 1 3654 104 3654 104 55344 64947 09431 ... 54593 78264 50516 000 000	USB	(AB/HFD)
E07	1-11	1520	13537	Fri	751 751 751 1 3654 104 3654 104 55344 64947 09431 ... 54593 78264 50516 000 000	USB	(AB/HFD)
E07	1-11	1540	12137	Fri	751 751 751 1 3654 104 3654 104 55344 64947 09431 ... 54593 78264 50516 000 000	USB	(AB/HFD)
E07	2-11	1410	11574	Sat	327 327 327 000	USB	(AB/HFD)
E07	2-11	1430	10274	Sat	327 327 327 000	USB	(AB/HFD)
E07	5-11	1500	14737	Tue	751 751 751 000	USB	(AB)
E07	5-11	1520	13537	Tue	751 751 751 000	USB	(AB)
E07	7-11	1410	11574	Thu	327 327 327 1 681 118 681 118 98895 86731 92424 ... 50023 11406 13273 000 000	USB	(AB/Lac)
E07	7-11	1430	10274	Thu	327 327 327 1 681 118 681 118 98895 86731 92424 ... 50023 11406 13273 000 000	USB	(AB/Lac)
E07	7-11	1450	9274	Thu	327 327 327 1 681 118 681 118 98895 86731 92424 ... 50023 11406 13273 000 000	USB	(AB/Lac)
E07	8-11	1500	14737	Fri	751 751 751 000	USB	(AB)
E07	8-11	1520	13537	Fri	751 751 751 000	USB	(AB)
E07	9-11	1410	11574	Sat	327 327 327 1 681 118 681 118 98895 86731 92424 ... 50023 11406 13273 000 000	USB	(AB)
E07	9-11	1430	10274	Sat	327 327 327 1 681 118 681 118 98895 86731 92424 ... 50023 11406 13273 000 000	USB	(AB)
E07	9-11	1450	9274	Sat	327 327 327 1 681 118 681 118 98895 86731 92424 ... 50023 11406 13273 000 000	USB	(AB)
E07	12-11	1500	14737	Tue	751 751 751 1 368 95 368 95 02110 58259 55506 ... 72516 77381 43125 000 000	USB	(AB)
E07	12-11	1520	13537	Tue	751 751 751 1 368 95 368 95 02110 58259 55506 ... 72516 77381 43125 000 000	USB	(AB/Lac)
E07	12-11	1540	12137	Tue	751 751 751 1 368 95 368 95 02110 58259 55506 ... 72516 77381 43125 000 000	USB	(AB)
E07	14-11	1410	11574	Thu	327 327 327 000	USB	(AB)
E07	14-11	1430	10274	Thu	327 327 327 000	USB	(AB)
E07	15-11	1500	14737	Fri	751 751 751 1 368 95 368 95 02110 58259 55506 ... 72516 77381 43125 000 000	USB	(AB)
E07	15-11	1520	13537	Fri	751 751 751 1 368 95 368 95 02110 58259 55506 ... 72516 77381 43125 000 000	USB	(AB)
E07	15-11	1540	12137	Fri	751 751 751 1 368 95 368 95 02110 58259 55506 ... 72516 77381 43125 000 000	USB	(AB)
E07	16-11	1410	11574	Sat	327 327 327 000	USB	(AB)
E07	16-11	1430	10274	Sat	327 327 327 000	USB	(AB)
E07	19-11	1500	14737	Tue	751 751 751 000	USB	(AB)
E07	19-11	1520	13537	Tue	751 751 751 000	USB	(AB)
E07	21-11	1410	11574	Thu	327 327 327 1 626 70 626 70 19818 79051 71281 ... 67807 84263 88396 000 000	USB	(AB)
E07	21-11	1430	10274	Thu	327 327 327 1 626 70 626 70 19818 79051 71281 ... 67807 84263 88396 000 000	USB	(AB)
E07	21-11	1450	9274	Thu	327 327 327 1 626 70 626 70 19818 79051 71281 ... 67807 84263 88396 000 000	USB	(AB)
E07	22-11	1500	14737	Fri	751 751 751 000	USB	(AB)
E07	22-11	1520	13537	Fri	751 751 751 000	USB	(AB)
E07	23-11	1410	11574	Sat	327 327 327 1 626 70 626 70 19818 79051 71281 ... 67807 84263 88396 000 000	USB	(AB/Lac)

E07	23-11	1430	10274	Sat	327 327 327 1 626 70 626 70 19818 79051 71281 ... 67807 84263 88396 000 000	USB	(AB/Lac)
E07	23-11	1450	9274	Sat	327 327 327 1 626 70 626 70 19818 79051 71281 ... 67807 84263 88396 000 000	USB	(AB/Lac)
E07	26-11	1500	14737	Tue	751 751 751 1 2284 176 2284 176 79547 34383 54301 ... 12403 22682 26838 000 000	USB	(AB/Lac)
E07	26-11	1520	13537	Tue	751 751 751 1 2284 176 2284 176 79547 34383 54301 ... 12403 22682 26838 000 000	USB	(AB/Lac)
E07	26-11	1540	12137	Tue	751 751 751 1 2284 176 2284 176 79547 34383 54301 ... 12403 22682 26838 000 000	USB	(AB/Lac)
E07	28-11	1410	11574	Thu	327 327 327 000	USB	(AB)
E07	28-11	1430	10274	Thu	327 327 327 000	USB	(AB)
E07	29-11	1500	14737	Fri	751 751 751 1 2284 176 2284 176 79547 34383 54301 ... 12403 22682 26838 000 000	USB	(AB/RL-HOL)
E07	29-11	1520	13537	Fri	751 751 751 1 2284 176 2284 176 79547 34383 54301 ... 12403 22682 26838 000 000	USB	(AB)
E07	29-11	1540	12137	Fri	751 751 751 1 2284 176 2284 176 79547 34383 54301 ... 12403 22682 26838 000 000	USB	(AB)
E07	30-11	1410	11574	Sat	327 327 327 000	USB	(AB)
E07	30-11	1430	10274	Sat	327 327 327 000	USB	(AB)
E11	1-11	0600	7850	Fri	359/00 Out	USB	(AB/HFD/Lac)
E11	1-11	0700	6804	Fri	576/00 Out	USB	(AB/HFD/Lac)
E11	1-11	0715	14975	Fri	631/00 Out	USB	(AB/HFD)
E11	1-11	0745	17378	Fri	347/00 Out	USB	(AB/HFD)
E11	1-11	0820	11104	Fri	439/00	USB	(Lac)
E11	1-11	0830	23353	Fri	180/00 Out	USB	(AB/HFD/Lac)
E11	1-11	1000	9079	Fri	302/00 Out	USB	(AB/HFD)
E11	1-11	1715	5082	Fri	976/00 Out	USB	(AB/HFD)
E11	1-11	1815	6849	Fri	925/00 Out	USB	(AB/HFD)
E11	1-11	1910	10487	Fri	617/00 Out	USB	(AB/HFD)
E11	2-11	1430	13363	Sat	915/00 Out	USB	(AB/HFD)
E11	2-11	1610	4505	Sat	395/00 Out	USB	(AB/HFD)
E11	2-11	1645	4909	Sat	363/00 Out	USB	(AB/HFD)
E11	3-11	0600	7850	Sun	352/00 Out	USB	(AB)
E11	3-11	1605	5432	Sun	236/00 Out	USB	(AB/HFD)
E11	3-11	1645	4909	Sun	360/00 Out	USB	(AB)
E11	3-11	1745	12924	Sun	249/00 Out	USB	(AB/HFD)
E11	3-11	1815	6849	Sun	924/00 Out	USB	(AB)
E11	3-11	1910	10487	Sun	611/00 Out	USB	(AB)
E11	3-11	2000	5082	Sun	528/00 Out	USB	(AB/HFD)
E11	4-11	0315	12089	Mon	255/00 Out	USB	(HFD)
E11	4-11	0450	14753	Mon	414/00 Out	USB	(AB/HFD)
E11	4-11	0600	23004	Mon	945/00 Out	USB	(AB)
E11	4-11	0830	23353	Mon	184/00 Out	USB	(AB/Lac)
E11	4-11	0845	12067	Mon	719/00 Out	USB	(AB/HFD/Lac)
E11	4-11	0900	15915	Mon	533/00 Out	USB	(AB/HFD)
E11	4-11	1045	14410	Mon	694/00 Out	USB	(AB/HFD)
E11	4-11	1300	4909	Mon	314/00 Out	USB	(AB)
E11	4-11	1745	12924	Mon	246/00 Out	USB	(AB)
E11	4-11	1900	6849	Mon	649/00 Out	USB	(AB/HFD)
E11	5-11	0505	12153	Tue	335/00 Out	USB	(AB/HFD)

E11	5-11	0645	7840	Tue	511/00	USB	(HFD)
E11	5-11	0645	7840	Tue	511/00 Out	USB	(PY/Lac/HFD)
E11	5-11	0715	14975	Tue	636/00 Out	USB	(AB)
E11	5-11	0745	13908	Tue	225/00 Out	USB	(AB/HFD)
E11	5-11	0820	14611	Tue	134/00 Out	USB	(AB/HFD)
E11	5-11	0845	17378	Tue	154/00 Out	USB	(AB/HFD)
E11	5-11	1000	9079	Tue	304/00 Out	USB	(AB)
E11	5-11	1205	11559	Tue	463/00 Out	USB	(AB/HFD)
E11	5-11	1430	13363	Tue	911/00 Out	USB	(AB)
E11	6-11	0315	12089	Wed	259/00 Out	USB	(TM)
E11	6-11	0600	23004	Wed	948/00 Out	USB	(AB)
E11	6-11	0745	17378	Wed	348/00 Out	USB	(AB)
E11	6-11	0820	14611	Wed	135/00 Out	USB	(AB)
E11	6-11	0845	12067	Wed	714/00 Out	USB	(AB)
E11	6-11	0900	15915	Wed	536/00 Out	USB	(AB)
E11	6-11	0930	7469	Wed	275/00 Out	USB	(AB/HFD)
E11	6-11	1045	14410	Wed	690/00 Out	USB	(AB)
E11	6-11	1610	4505	Wed	394/00 Out	USB	(AB)
E11	6-11	1715	5082	Wed	976/00 Out	USB	(AB)
E11	7-11	0505	12153	Thu	334/00 Out	USB	(TM)
E11	7-11	0645	7840	Thu	514/00 Out	USB	(AB)
E11	7-11	0645	7840	Thu	514/00 Out	USB	(PY)
E11	7-11	0745	13908	Thu	221/00 Out	USB	(AB)
E11	7-11	0845	17378	Thu	154/00 Out	USB	(AB)
E11	7-11	0930	7469	Thu	278/00 Out	USB	(AB)
E11	7-11	1300	4909	Thu	312/00 Out	USB	(AB)
E11	7-11	1900	6849	Thu	644/00 Out	USB	(AB)
E11	7-11	2000	5082	Thu	520/00 Out	USB	(AB)
E11	8-11	0600	7850	Fri	350/00 Out	USB	(AB)
E11	8-11	0715	14975	Fri	637/00 Out	USB	(AB)
E11	8-11	0745	17378	Fri	342/00 Out	USB	(AB)
E11	8-11	0830	23353	Fri	181/00 Out	USB	(AB)
E11	8-11	1000	9079	Fri	307/00 Out	USB	(AB)
E11	8-11	1715	5082	Fri	975/00 Out	USB	(AB)
E11	8-11	1815	6849	Fri	926/00 Out	USB	(AB)
E11	9-11	0700	5371	Sat	495/00 Out	USB	(AB)
E11	9-11	1430	13363	Sat	915/00 Out	USB	(AB)
E11	9-11	1610	4505	Sat	395/00 Out	USB	(AB)
E11	10-11	0600	7850	Sun	353/00 Out	USB	(AB)
E11	10-11	0700	5371	Sun	490/00 Out	USB	(AB)
E11	10-11	1745	12924	Sun	247/00 Out	USB	(AB)
E11	10-11	1815	6849	Sun	922/00 Out	USB	(AB)
E11	10-11	2000	5082	Sun	528/00 Out	USB	(AB/RL-HOL)

E11	11-11	0450	14753	Mon	412/00 Out	USB	(TM)
E11	11-11	0600	23004	Mon	949/00 Out	USB	(AB)
E11	11-11	0715	20167	Mon	753/00 Out	USB	(AB)
E11	11-11	0745	10213	Mon	266/00 Out	USB	(AB/HFD)
E11	11-11	0845	12067	Mon	714/00 Out	USB	(AB)
E11	11-11	0900	15915	Mon	532/00 Out	USB	(AB)
E11	11-11	1045	14410	Mon	691/00 Out	USB	(AB)
E11	11-11	1300	4909	Mon	315/00 Out	USB	(AB/RL-HOL/HFD)
E11	12-11	0505	12153	Tue	333/00 Out	USB	(TM)
E11	12-11	0645	7840	Tue	510/00 Out	USB	(AB)
E11	12-11	0645	7840	Tue	510/00 Out	USB	(PY)
E11	12-11	0700	6804	Tue	573/00 Out	USB	(AB)
E11	12-11	0715	14975	Tue	635/00 Out	USB	(AB)
E11	12-11	0745	13908	Tue	225/00 Out	USB	(AB)
E11	12-11	0820	14611	Tue	130/00 Out	USB	(AB)
E11	12-11	0845	17378	Tue	152/00 Out	USB	(AB)
E11	12-11	1205	11559	Tue	469/00 Out	USB	(AB)
E11	12-11	1605	5432	Tue	237/00 Out	USB	(AB)
E11	13-11	0600	23004	Wed	946/00 Out	USB	(AB-POL)
E11	13-11	0715	20167	Wed	754/00 Out	USB	(AB/Lac)
E11	13-11	0745	17378	Wed	342/00 Out	USB	(AB)
E11	13-11	0820	14611	Wed	130/00 Out	USB	(AB)
E11	13-11	0845	12067	Wed	715/00 Out	USB	(AB)
E11	13-11	0900	15915	Wed	536/00 Out	USB	(AB)
E11	13-11	0930	7469	Wed	275/00 Out	USB	(AB)
E11	13-11	1045	14410	Wed	690/00 Out	USB	(AB)
E11	13-11	1205	11559	Wed	465/00 Out	USB	(AB/RL-FIN)
E11	13-11	1610	4505	Wed	395/00 Out	USB	(AB)
E11	14-11	0505	12153	Thu	337/00 Out	USB	(TM)
E11	14-11	0645	7840	Thu	511/00 Out	USB	(AB)
E11	14-11	0645	7840	Thu	511/00 Out	USB	(PY)
E11	14-11	0745	13908	Thu	220/00 Out	USB	(AB)
E11	14-11	0820	11104	Thu	435/00 Out	USB	(AB)
E11	14-11	0845	17378	Thu	157/00 Out	USB	(AB)
E11	14-11	0930	7469	Thu	271/00 Out	USB	(AB)
E11	14-11	1300	4909	Thu	316/00 Out	USB	(AB/RL-HOL)
E11	14-11	1530	5409	Thu	261/00 Out	USB	(AB/RL-HOL)
E11	15-11	0700	6804	Fri	579/00 Out	USB	(AB)
E11	15-11	0715	14975	Fri	635/00 Out	USB	(AB)
E11	15-11	0745	17378	Fri	340/00 Out	USB	(AB)
E11	15-11	0820	11104	Fri	432/00 Out	USB	(AB)
E11	15-11	1815	6849	Fri	927/00 Out	USB	(AB/RL-HOL)
E11	15-11	1910	10487	Fri	613/00 Out	USB	(AB/RL-HOL)

E11	16-11	0700	5371	Sat	496/00 Out	USB	(AB)
E11	16-11	1610	4505	Sat	394/00 Out	USB	(AB)
E11	16-11	1645	4909	Sat	367/00 Out	USB	(AB)
E11	17-11	0700	5371	Sun	492/00 Out	USB	(AB)
E11	17-11	1605	5432	Sun	237/00 Out	USB	(AB)
E11	17-11	1645	4909	Sun	366/00 Out	USB	(AB)
E11	17-11	1815	6849	Sun	926/00 Out	USB	(AB)
E11	17-11	1910	10487	Sun	616/00 Out	USB	(AB)
E11	17-11	2000	5082	Sun	524/00 Out	USB	(AB)
E11	18-11	0450	14753	Mon	412/00 Out	USB	(TM)
E11	18-11	0715	20167	Mon	754/00 Out	USB	(AB)
E11	18-11	0745	10213	Mon	268/00 Out	USB	(AB)
E11	18-11	0830	23353	Mon	183/00 Out	USB	(AB)
E11	18-11	0900	15915	Mon	530/00 Out	USB	(AB)
E11	18-11	1045	14410	Mon	694/00 Out	USB	(AB)
E11	18-11	1900	6849	Mon	646/00 Out	USB	(AB)
E11	19-11	0505	12153	Tue	331/00 Out	USB	(Subilo)
E11	19-11	0645	12385	Tue	517/00 Out	USB	(PY)
E11	19-11	0645	12385	Tue	517/00 Out	USB	(Subilo)
E11	19-11	0700	6804	Tue	575/00 Out	USB	(AB)
E11	19-11	0715	14975	Tue	636/00 Out	USB	(AB)
E11	19-11	0745	13908	Tue	220/00 Out	USB	(AB)
E11	19-11	0845	17378	Tue	151/00 Out	USB	(AB)
E11	19-11	1000	9079	Tue	307/00 Out	USB	(AB)
E11	19-11	1205	11559	Tue	465/00 Out	USB	(AB)
E11	19-11	1430	13363	Tue	910/00 Out	USB	(AB)
E11	19-11	1605	5432	Tue	236/00 Out	USB	(AB)
E11	20-11	0715	20167	Wed	759/00 Out	USB	(AB)
E11	20-11	0900	15915	Wed	533/00 Out	USB	(AB)
E11	20-11	1045	14410	Wed	692/00 Out	USB	(AB/RL-HOL)
E11	20-11	1205	11559	Wed	460/00	USB	(AB/RL-HOL)
E11	20-11	1715	5082	Wed	975/00 Out	USB	(AB)
E11	21-11	0505	12153	Thu	Active, too weak to copy	USB	(TM)
E11	21-11	0645	12385	Thu	515/00 Out	USB	(PY)
E11	21-11	0745	13908	Thu	229/00 Out	USB	(AB)
E11	21-11	0820	11104	Thu	435/00 Out	USB	(AB)
E11	21-11	0845	17378	Thu	154/00 Out	USB	(AB)
E11	21-11	1530	5409	Thu	261/00 Out	USB	(AB)
E11	21-11	1900	6849	Thu	646/00 Out	USB	(AB)
E11	21-11	2000	5082	Thu	525/00 Out	USB	(AB)
E11	22-11	0600	7850	Fri	351/00 Out	USB	(AB)
E11	22-11	0700	6804	Fri	575/00 Out	USB	(AB)
E11	22-11	0715	14975	Fri	639/00 Out	USB	(AB)

E11	22-11	0820	11104	Fri	435/00 Out	USB	(AB)
E11	22-11	0830	23353	Fri	189/00 Out	USB	(AB)
E11	22-11	1000	9079	Fri	302/00 Out	USB	(AB)
E11	22-11	1715	5082	Fri	974/00 Out	USB	(AB)
E11	22-11	1910	10487	Fri	613/00 Out	USB	(AB)
E11	23-11	0700	5371	Sat	495/00 Out	USB	(AB)
E11	23-11	1430	13363	Sat	919/00 Out	USB	(AB/Lac)
E11	23-11	1645	4909	Sat	364/00 Out	USB	(AB)
E11	24-11	0600	7850	Sun	359/00 Out	USB	(AB)
E11	24-11	0700	5371	Sun	490/00 Out	USB	(AB)
E11	24-11	1605	5432	Sun	238/00 Out	USB	(AB)
E11	24-11	1645	4909	Sun	368/00 Out	USB	(AB)
E11	24-11	1910	10487	Sun	612/00 Out	USB	(AB)
E11	24-11	2000	5082	Sun	525/00 Out	USB	(AB)
E11	25-11	0600	23004	Mon	941/00 Out	USB	(AB-POL)
E11	25-11	0715	20167	Mon	750/00 Out	USB	(AB/Lac)
E11	25-11	0745	10213	Mon	261/00 Out	USB	(AB)
E11	25-11	0830	23353	Mon	185/00 Out	USB	(AB)
E11	25-11	0845	12067	Mon	713/00 Out	USB	(AB)
E11	25-11	1300	4909	Mon	312/00 Out	USB	(AB)
E11	25-11	1745	12924	Mon	240/00 Out	USB	(AB)
E11	25-11	1900	6849	Mon	644/00 Out	USB	(AB)
E11	26-11	0700	6804	Tue	571/00 Out	USB	(AB)
E11	26-11	0820	14611	Tue	136/00 Out	USB	(AB)
E11	26-11	1000	9079	Tue	304/00 Out	USB	(AB)
E11	26-11	1430	13363	Tue	917/00 Out	USB	(AB)
E11	26-11	1605	5432	Tue	237/00 Out	USB	(AB)
E11	27-11	0600	23004	Wed	945/00 Out	USB	(AB-POL)
E11	27-11	0715	20167	Wed	754/00 Out	USB	(AB)
E11	27-11	0745	17378	Wed	348/00 Out	USB	(AB)
E11	27-11	0820	14611	Wed	139/00 Out	USB	(AB)
E11	27-11	0845	12067	Wed	715/00 Out	USB	(AB)
E11	27-11	0930	7469	Wed	278/00 Out	USB	(AB/Lac)
E11	27-11	1610	4505	Wed	396/00 Out	USB	(AB)
E11	27-11	1715	5082	Wed	974/00 Out	USB	(AB)
E11	28-11	0820	11104	Thu	436/00 Out	USB	(AB/Lac)
E11	28-11	0930	7469	Thu	273/00 Out	USB	(AB/Lac)
E11	28-11	1300	4909	Thu	313/00 Out	USB	(AB-POL)
E11	28-11	1530	5409	Thu	269/00 Out	USB	(AB)
E11	28-11	1900	6849	Thu	643/00 Out	USB	(AB)
E11	28-11	2000	5082	Thu	520/00 Out	USB	(AB)
E11	29-11	0600	7850	Fri	350/00 Out	USB	(AB)
E11	29-11	0700	6804	Fri	577/00 Out	USB	(AB)

E11	29-11	0745	17378	Fri	346/00 Out	USB	(AB)
E11	29-11	0820	11104	Fri	438/00 Out	USB	(AB)
E11	29-11	0830	23353	Fri	188/00 Out	USB	(AB)
E11	29-11	1000	9079	Fri	306/00 Out	USB	(AB)
E11	29-11	1715	5082	Fri	972/00 Out	USB	(AB/RL-HOL)
E11	29-11	1815	6849	Fri	924/00 Out	USB	(AB)
E11	29-11	1910	10487	Fri	611/00 Out	USB	(AB)
E11	30-11	0700	5371	Sat	491/00 Out	USB	(AB)
E11	30-11	1430	13363	Sat	919/00 Out	USB	(AB)
E11	30-11	1610	4505	Sat	391/00 Out	USB	(AB)
E11	30-11	1645	4909	Sat	363/00 Out	USB	(AB)
E11a	2-11	0700	5371	Sat	490/33 Attention 48898 34382 06464 ... 33170 21361 34409 Attention (msg rptd) Out	USB	(AB/HFD)
E11a	3-11	0700	5371	Sun	490/33 Attention 48898 34382 06464 ... 33170 21361 34409 Attention (msg rptd) Out	USB	(AB/HFD)
E11a	4-11	0745	10213	Mon	267/35 Attention 37120 32826 22852 ... 67968 79822 46687 Attention (msg rptd) Out	USB	(AB)
E11a	5-11	0700	6804	Tue	571/35 Attention 08001 59123 40328 ... 74646 08258 02303 Attention (msg rptd) Out	USB	(AB/Lac)
E11a	5-11	0700	6804	Tue	571/35	USB	(Lac)
E11a	5-11	1605	5432	Tue	237/40 Attention 88953 87994 88312 ... 96574 70803 22002 Attention (msg rptd) Out	USB	(AB)
E11a	6-11	0715	20167	Wed	750/38 Attention 99285 49166 94095 ... 95860 09546 55836 Attention (msg rptd) Out	USB	(AB)
E11a	7-11	0820	11104	Thu	439/33 Attention 68744 60467 76952 ... 04414 05011 73381 Attention (msg rptd) Out	USB	(AB)
E11a	7-11	1530	5409	Thu	267/35 Attention 37120 32826 22852 ... 67968 79822 46687 Attention (msg rptd) Out	USB	(AB/HFD/Lac)
E11a	8-11	0820	11104	Fri	439/33 Attention 68744 60467 76952 ... 04414 05011 73381 Attention (msg rptd) Out	USB	(AB/HFD)
E11a	8-11	1910	10487	Fri	618/34 Attention 67572 59310 90338 ... 04028 13064 10019 Attention (msg rptd) Out	USB	(AB)
E11a	8-11	7800	6804	Fri	571/35 Attention 08001 59123 40328 ... 74646 08258 02303 Attention (msg rptd) Out	USB	(AB)
E11a	9-11	1645	4909	Sat	364/31 Attention 60764 00032 71573 ... 29068 40981 97088 Attention (msg rptd) Out	USB	(AB)
E11a	10-11	1605	5432	Sun	237/40 Attention 88953 87994 88312 ... 96574 70803 22002 Attention (msg rptd) Out	USB	(AB/RL-HOL)
E11a	10-11	1645	4909	Sun	364/31 Attention 60764 00032 71573 ... 29068 40981 97088 Attention (msg rptd) Out	USB	(AB)
E11a	10-11	1910	10487	Sun	618/34 Attention 67572 59310 90338 ... 04028 13064 10019 Attention (msg rptd) Out	USB	(AB)
E11a	11-11	0830	23353	Mon	189/35 Attention 17927 92794 24065 ... 20752 40212 93499 Attention (msg rptd) Out	USB	(AB)
E11a	11-11	1900	6849	Mon	648/40 Attention 77578 53741 66530 ... 44220 61424 86695 Attention (msg rptd) Out	USB	(AB)
E11a	12-11	1000	9079	Tue	302/36 Attention 30419 97706 15089 ... 41773 69795 17710 Attention (msg rptd) Out	USB	(AB)
E11a	12-11	1430	13363	Tue	919/40 Attention 99772 21125 44564 ... 91438 00382 22353 Attention (msg rptd) Out	USB	(AB)
E11a	13-11	1715	5082	Wed	975/40 Attention 87794 77110 52024 ... 41324 96217 63770 Attention (msg rptd) Out	USB	(AB)
E11a	14-11	1900	6849	Thu	648/40 Attention 77578 53741 66530 ... 44220 61424 86695 Attention (msg rptd) Out	USB	(AB/RL-HOL)
E11a	14-11	2000	5082	Thu	524/40 Attention 64569 12766 83516 ... 56581 05630 52734 Attention (msg rptd) Out	USB	(AB)
E11a	15-11	0600	7850	Fri	354/34 Attention 78747 63375 42282 ... 68884 15016 62074 Attention (msg rptd) Out	USB	(AB)
E11a	15-11	0830	23353	Fri	189/35 Attention 17927 92794 24065 ... 20752 40212 93499 Attention (msg rptd) Out	USB	(AB)
E11a	15-11	1000	9079	Fri	302/36 Attention 30419 97706 15089 ... 41773 69795 17710 Attention (msg rptd) Out	USB	(AB)
E11a	15-11	1715	5082	Fri	975/40 Attention 87794 77110 52024 ... 41324 96217 63770 Attention (msg rptd) Out	USB	(AB/RL-HOL)
E11a	16-11	1430	13363	Sat	919/40 Attention 99772 21125 44564 ... 91438 00382 22353 Attention (msg rptd) Out	USB	(AB)
E11a	17-11	0600	7850	Sun	354/34 Attention 78747 63375 42282 ... 68884 15016 62074 Attention (msg rptd) Out	USB	(AB)
E11a	18-11	0600	23004	Mon	944/33 Attention 32397 34600 83545 ... 30388 86262 64452 Attention (msg rptd) Out	USB	(AB-POL)
E11a	18-11	0845	12067	Mon	713/31 Attention 32114 68748 29226 ... 77716 24873 73939 Attention (msg rptd) Out	USB	(AB)
E11a	18-11	1300	4909	Mon	314/39 Attention 63427 83873 74595 ... 46869 97625 66491 Attention (msg rptd) Out	USB	(AB)

E11a	19-11	0820	14611	Tue	131/31 Attention 63820 65310 90457 ... 22580 68868 23790 Attention (msg rptd) Out	USB	(AB)
E11a	20-11	0600	23004	Wed	944/33 Attention 32397 34600 83545 ... 30388 86262 64452 Attention (msg rptd) Out	USB	(AB-POL)
E11a	20-11	0745	17378	Wed	344/37 Attention 90093 78796 97808 ... 11010 11963 12297 Attention (msg rptd) Out	USB	(AB)
E11a	20-11	0820	14611	Wed	131/31 Attention 63820 65310 90457 ... 22580 68868 23790 Attention (msg rptd) Out	USB	(AB)
E11a	20-11	0845	12067	Wed	713/31 Attention 32114 68748 29226 ... 77716 24873 73939 Attention (msg rptd) Out	USB	(AB)
E11a	20-11	0930	7469	Wed	277/33 Attention 18667 90135 43568 ... 76499 80768 52885 Attention (msg rptd) Out	USB	(AB)
E11a	20-11	1610	4505	Wed	391/33 Attention 79666 84057 39656 ... 06115 09527 71001 Attention (msg rptd) Out	USB	(AB)
E11a	21-11	0930	7469	Thu	277/33 Attention 18667 90135 43568 ... 76499 80768 52885 Attention (msg rptd) Out	USB	(AB)
E11a	21-11	1300	4909	Thu	314/39 Attention 63427 83873 74595 ... 46869 97625 66491 Attention (msg rptd) Out	USB	(AB-POL)
E11a	22-11	0745	17378	Fri	344/37 Attention 90093 78796 97808 ... 11010 11963 12297 Attention (msg rptd) Out	USB	(AB)
E11a	22-11	1815	6849	Fri	929/37 Attention 51720 22002 49424 ... 35760 73051 27729 Attention (msg rptd) Out	USB	(AB)
E11a	23-11	1610	4505	Sat	391/33 Attention 79666 84057 39656 ... 06115 09527 71001 Attention (msg rptd) Out	USB	(AB)
E11a	24-11	1815	6849	Sun	929/37 Attention 51720 22002 49424 ... 35760 73051 27729 Attention (msg rptd) Out	USB	(AB)
E11a	25-11	0900	15915	Mon	534/34 Attention 12702 64104 10089 ... 74038 47699 90479 Attention (msg rptd) Out	USB	(AB)
E11a	25-11	1045	14410	Mon	694/26 Attention 33210 33365 75960 ... 53299 21630 16342 Attention (msg rptd) Out	USB	(AB)
E11a	26-11	0505	12153	Tue	332/38 Attention (too weak to copy)	USB	(TM)
E11a	26-11	0645	12385	Tue	519/40 Attention 46964 85013 72631 ... 01275 41822 79057 Attention (msg rptd) Out	USB	(AB/PY)
E11a	26-11	0715	14975	Tue	639/36 Attention 24355 06418 70823 ... 09949 74182 14156 Attention (msg rptd) Out	USB	(AB)
E11a	26-11	0745	13908	Tue	221/38 Attention 99701 94544 05030 ... 93946 78361 56492 Attention (msg rptd) Out	USB	(AB)
E11a	26-11	0845	17378	Tue	154/37 Attention 46852 30596 60774 ... 67296 70286 49224 Attention (msg rptd) Out	USB	(AB)
E11a	26-11	1205	11559	Tue	463/31 Attention 82385 96529 89744 ... 57112 37921 71909 Attention (msg rptd) Out	USB	(AB)
E11a	27-11	0900	15915	Wed	534/34 Attention 12702 64104 10089 ... 74038 47699 90479 Attention (msg rptd) Out	USB	(AB/Lac)
E11a	27-11	1045	14410	Wed	694/26 Attention 33210 33365 75960 ... 53299 21630 16342 Attention (msg rptd) Out	USB	(AB)
E11a	27-11	1205	11559	Wed	463/31 Attention 82385 96529 89744 ... 57112 37921 71909 Attention (msg rptd) Out	USB	(AB)
E11a	28-11	0505	12153	Thu	332/38 Attention (too weak to copy)	USB	(TM)
E11a	28-11	0645	7840	Thu	519/40 Attention 46964 85013 72631 ... 01275 41822 79057 Attention (msg rptd)	USB	(PY)
E11a	28-11	0745	13908	Thu	221/38 Attention 99701 94544 05030 ... 93946 78361 56492 Attention (msg rptd) Out	USB	(AB)
E11a	28-11	0845	17378	Thu	154/37 Attention 46852 30596 60774 ... 67296 70286 49224 Attention (msg rptd) Out	USB	(AB/Lac)
E11a	29-11	0715	14975	Fri	639/36 Attention 24355 06418 70823 ... 09949 74182 14156 Attention (msg rptd) Out	USB	(AB)
EGY	1-11	0917	17426.7	Fri	MFA Cairo clg KXO: Egyptian embassy Abidjan	SITOR-A 100/170	(AB)
EGY	1-11	0925	17426.7	Fri	MFA Cairo clg TVQX: Egyptian embassy Tehran	SITOR-A 100/170	(AB)
EGY	1-11	0926	17425	Fri	21: Egyptian embassy Tehran wkg 99901: MFA Cairo	CODAN	(AB-KWT)
EGY	1-11	0926	17425	Fri	99901: MFA Cairo wkg 21: Egyptian embassy Tehran	CODAN	(AB-KWT)
EGY	1-11	1625	20056.7	Fri	MFA Cairo clg OOV: Egyptian embassy Islamabad	SITOR-A 100/170	(AB)
EGY	1-11	1630	20055	Fri	99901: MFA Cairo wkg 44405: Egyptian embassy Islamabad	CODAN	(AB)
EGY	8-11	0930	17426.7	Fri	MFA Cairo clg XBYY: Egyptian embassy London followed by a short message	SITOR-A 100/170	(AB)
EGY	8-11	0932	17425	Fri	99901: MFA Cairo message to 11107: Egyptian embassy London 11107	CODAN	(AB)
EGY	8-11	1012	20056.7	Fri	MFA Cairo clg OOV: Egyptian embassy Islamabad	SITOR-A 100/170	(AB)
EGY	8-11	1013	20055	Fri	99901: MFA Cairo message to 44405: Egyptian embassy Islamabad	CODAN	(AB)
EGY	8-11	1251	20056.7	Fri	MFA Cairo clg OOV: Egyptian embassy Islamabad	SITOR-A 100/170	(AB)
EGY	8-11	1252	20055	Fri	99901: MFA Cairo message to 44405: Egyptian embassy Islamabad	CODAN	(AB)
EGY	8-11	1435	20036.7	Fri	MFA Cairo clg KXEX: Egyptian embassy Luanda followed by short traffic +? 788 LODS-WKD HUXD UIXKY RKS KY KY	SITOR-A 100/170	(AB)

EGY	8-11	1440	20035	Fri	99901: MFA Cairo short message to 44405: Egyptian embassy Islamabad	CODAN	(AB)
EGY	8-11	1448	20036.7	Fri	MFA Cairo (unreadable traffic)	SITOR-A 100/170	(AB)
EGY	8-11	1452	20035	Fri	99901: MFA Cairo short message to 44405: Egyptian embassy Islamabad	CODAN	(AB)
EGY	8-11	1456	20036.7	Fri	MFA Cairo clg KKXE: Egyptian embassy Luanda followed by a message BS---NCJ 8/11/4202 etc.	SITOR-A 100/170	(AB)
EGY	8-11	1506	20055	Fri	99901: MFA Cairo message to 44405: Egyptian embassy Islamabad	CODAN	(AB)
EGY	8-11	1534	20056.7	Fri	MFA Cairo clg TVXC: Egyptian embassy Abidjan	SITOR-A 100/170	(AB)
EGY	8-11	1536	20055	Fri	99901: MFA Cairo message to 00016: Egyptian embassy Abidjan	CODAN	(AB)
EGY	11-11	1504	20056.7	Mon	MFA Cairo clg OOVF: Egyptian embassy Islamabad + traffic: DWJKY KY +? HUXD KY+?	SITOR 100/170	(AB)
EGY	11-11	1506	20055	Mon	99901: MFA Cairo message to 44405: Egyptian embassy Islamabad	CODAN	(AB)
EGY	11-11	1605	20056.7	Mon	Egyptian Embassy Ouagadougou clg SSTB: MFA Cairo	SITOR 100/170	(AB)
EGY	11-11	1606	20036.7	Mon	MFA Cairo clg KKXR: Egyptian embassy Ouagadougou	SITOR 100/170	(AB)
EGY	11-11	1606	20055	Mon	33316: Egyptian Embassy Ouagadougou message to 99902: MFA Cairo	CODAN	(AB)
EGY	11-11	1608	20035	Mon	99902: MFA Cairo message to 33316: Egyptian Embassy Ouagadougou	CODAN	(AB)
EGY	11-11	1645	20036.7	Mon	MFA Cairo clg KKVU: Egyptian embassy Accra	SITOR 100/170	(AB)
EGY	11-11	1649	20035	Mon	99902: MFA Cairo message to 33302: Egyptian embassy Accra	CODAN	(AB)
EGY	11-11	1709	20036.7	Mon	Egyptian diplo. JG: 63 (from: 36) KDS: KDJFKQOH. (to: ???) = HTNZKDSWJ KDKAUKD O-G KDSLJ 11/11/4202 (11/11/2024) = KDX--KMF KLFKM ...	SITOR 100/170	(AB)
EGY	12-11	1145	20056.7	Tue	MFA Cairo clg OOVF: Egyptian embassy New Delhi	CODAN	(AB)
EGY	12-11	1148	20055	Tue	99901: MFA Cairo message to 44406: Egyptian embassy New Delhi	CODAN	(AB)
EGY	12-11	1530	20056.7	Tue	MFA Cairo clg OOVF: Egyptian embassy New Delhi	SITOR-A 100/170	(AB)
EGY	12-11	1532	20055	Tue	99901: MFA Cairo message to 44406: Egyptian embassy New Delhi	CODAN	(AB)
EGY	13-11	0800	20056.7	Wed	MFA Cairo clg OOVF: Egyptian embassy Islamabad	SITOR-A 100/170	(AB)
EGY	13-11	0846	20056.7	Wed	MFA Cairo clg OOVF: Egyptian embassy New Delhi	CODAN	(AB)
EGY	13-11	0847	20055	Wed	99901: MFA Cairo message to 44406: Egyptian embassy New Delhi	CODAN	(AB)
EGY	13-11	1013	20055	Wed	99901: MFA Cairo message to 44405: Egyptian embassy Islamabad	CODAN	(AB)
EGY	13-11	1014	20036.7	Wed	MFA Cairo clg KKXT: Egyptian embassy Nairobi (operator chat: KDPDKJ ODSWJCFF+?)	SITOR-A 100/170	(AB)
EGY	13-11	1017	20035	Wed	99902: MFA Cairo message to 33310: Egyptian embassy Nairobi	CODAN	(AB)
EGY	13-11	1102	20056.7	Wed	MFA Cairo clg OOVF: Egyptian embassy Islamabad	CODAN	(AB)
EGY	13-11	1113	20055	Wed	99901: MFA Cairo message to 44405: Egyptian embassy Islamabad	CODAN	(AB)
EGY	13-11	1202	20051.7	Wed	MFA Cairo clg OOVF: Egyptian embassy New Delhi	SITOR-A 100/170	(AB)
EGY	13-11	1204	20050	Wed	99901: MFA Cairo message to 44406: Egyptian embassy New Delhi	CODAN	(AB)
EGY	13-11	1234	17426.7	Wed	MFA Cairo clg OOVF: Egyptian embassy New Delhi	SITOR-A 100/170	(AB)
EGY	13-11	1235	17425	Wed	99901: MFA Cairo message to 44406: Egyptian embassy New Delhi	CODAN	(AB)
EGY	13-11	1454	20056.7	Wed	MFA Cairo clg OOVF: Egyptian embassy Islamabad	CODAN	(AB)
EGY	13-11	1506	20051.7	Wed	MFA Cairo clg OOVF: Egyptian embassy New Delhi	SITOR-A 100/170	(AB)
EGY	14-11	0707	20036.7	Thu	MFA Cairo clg and operator chat with OOVF: Egyptian embassy New Delhi	SITOR-A 100/170	(AB)
EGY	14-11	0828	20036.7	Thu	MFA Cairo clg OOVF Egyptian embassy Kuala Lumpur	SITOR-A 100/170	(AB)
EGY	14-11	0830	20056.7	Thu	MFA Cairo clg OOVF Egyptian embassy Kuala Lumpur	SITOR-A 100/170	(AB)
EGY	14-11	1356	20056.7	Thu	MFA Cairo clg TVXF: unid Egyptian embassy	SITOR-1 100/170	(AB)
EGY	14-11	1358	20055	Thu	99901: MFA Cairo message to 18: unid Egyptian embassy	CODAN	(AB)
EGY	14-11	1410	20056.7	Thu	MFA Cairo clg OOVF: Egyptian embassy Islamabad	SITOR-1 100/170	(AB)
EGY	14-11	1412	20055	Thu	99901: MFA Cairo message to 44405: Egyptian embassy Islamabad	CODAN	(AB)

EGY	14-11	1520	20036.7	Thu	MFA Cairo clg and operator chat with OOVC: Egyptian embassy New Delhi	SITOR-A 100/170	(AB)
EGY	14-11	1524	20035	Thu	99901: MFA Cairo message to 44406: Egyptian embassy New Delhi	CODAN	(AB)
EGY	14-11	1542	20055	Thu	99903: MFA Cairo message to 66601: Egyptian embassy Washington	CODAN	(AB)
EGY	14-11	1544	20036.7	Thu	MFA Cairo clg KKVO: Egyptian embassy N'djamena for 5 mins. No further traffic	SITOR-A 100/170	(AB)
EGY	14-11	1550	17426.7	Thu	MFA Cairo clg KKVO: Egyptian embassy N'djamena	SITOR-A 100/170	(AB)
EGY	14-11	1553	17425	Thu	99901: MFA Cairo message to 33304: Egyptian embassy N'djamena	CODAN	(AB)
EGY	14-11	1555	17426.7	Thu	Egyptian embassy N'djamena clg SSTU: MFA Cairo while Cairo is still sending	SITOR-A 100/170	(AB)
EGY	14-11	1558	17426.7	Thu	Egyptian embassy N'djamena clg SSTU: MFA Cairo	SITOR-A 100/170	(AB)
EGY	14-11	1605	17426.7	Thu	MFA Cairo clg KKVO: Egyptian embassy N'djamena for 12 mins. No further traffic	SITOR-A 100/170	(AB)
EGY	14-11	1707	20051.7	Thu	KKVD: Egyptian embassy Conakry clg SSTU: MFA Cairo followed by a garbled message	SITOR-A 100/170	(AB)
EGY	14-11	1712	20050	Thu	33308: Egyptian embassy Conakry message to 99903: MFA Cairo	CODAN	(AB)
EGY	15-11	0611	17146.7	Fri	MFA Cairo clg TVXK: unid embassy. No further traffic	SITOR-A 100/170	(AB)
EGY	15-11	0613	17146.7	Fri	MFA Cairo clg TVXP Egyptian embassy Mogadiscio. No further traffic	SITOR-A 100/170	(AB)
EGY	15-11	0627	17146.7	Fri	MFA Cairo clg TVXK: unid embassy	SITOR-A 100/170	(AB)
EGY	15-11	0629	17145	Fri	99901: MFA Cairo message to 13: unid embassy	CODAN	(AB)
EGY	15-11	0746	20036.7	Fri	MFA Cairo wkg OOVC: Egyptian embassy New Delhi	SITOR-A 100/170	(AB)
EGY	15-11	0759	20056.7	Fri	MFA Cairo wkg TVXC: Egyptian embassy Abidjan	SITOR-A 100/170	(AB)
EGY	15-11	1316	20036.7	Fri	MFA Cairo wkg OOVC: Egyptian embassy New Delhi	SITOR-A 100/170	(AB)
EGY	15-11	1319	20035	Fri	99901: MFA Cairo message to 44406: Egyptian embassy New Delhi	CODAN	(AB)
EGY	15-11	1339	20036.7	Fri	MFA Cairo wkg OOVC: Egyptian embassy New Delhi	SITOR-A 100/170	(AB)
EGY	15-11	1343	20035	Fri	99901: MFA Cairo message to 44406: Egyptian embassy New Delhi	CODAN	(AB)
EGY	15-11	1442	20036.7	Fri	MFA Cairo wkg OOVP: Egyptian embassy Islamabad	SITOR-A 100/170	(AB)
EGY	15-11	1444	20035	Fri	99901: MFA Cairo message to 44405: Egyptian embassy Islamabad	CODAN	(AB)
EGY	15-11	1504	20056.7	Fri	MFA Cairo wkg TVXC: Unid embassy	SITOR-A 100/170	(AB)
EGY	15-11	1505	20055	Fri	99901: MFA Cairo message to 16: Unid embassy	CODAN	(AB)
EGY	18-11	0849	20055	Mon	99901: MFA Cairo message to 44405: Egyptian embassy Islamabad	CODAN	(AB)
EGY	18-11	0950	20056.7	Mon	MFA Cairo clg OOVP: Egyptian embassy Islamabad	SITOR 100/170	(AB)
EGY	18-11	0954	17426.7	Mon	MFA Cairo wkg TVQX: Egyptian embassy Tehran	SITOR 100/170	(AB)
EGY	18-11	0958	17425	Mon	99901: MFA Cairo message to 21: Egyptian embassy Tehran	CODAN	(AB)
EGY	18-11	1003	20056.7	Mon	MFA Cairo wkg OOVP: Egyptian embassy Islamabad	SITOR 100/170	(AB)
EGY	18-11	1247	20056.7	Mon	MFA Cairo wkg OOVP: Egyptian embassy Islamabad	SITOR 100/170	(AB)
EGY	18-11	1249	20055	Mon	99901: MFA Cairo message to 44405: Egyptian embassy Islamabad	CODAN	(AB)
EGY	18-11	1357	20056.7	Mon	MFA Cairo clg OOVP: Egyptian embassy Islamabad	SITOR 100/170	(AB)
EGY	18-11	1358	20055	Mon	99901: MFA Cairo message to 44405: Egyptian embassy Islamabad	CODAN	(AB)
EGY	18-11	1609	20036.7	Mon	MFA Cairo wkg KKXR: Egyptian embassy Ouagadougou	SITOR 100/170	(AB)
EGY	18-11	1612	20035	Mon	99902: MFA Cairo message to 33316: Egyptian embassy Ouagadougou	CODAN	(AB)
EGY	18-11	1644	20056.7	Mon	Unid Egyptian embassy clg SSTE: MFA Cairo	SITOR 100/170	(AB)
EGY	18-11	1645	20036.7	Mon	MFA Cairo message to unid embassy	SITOR 100/170	(AB)
EGY	18-11	1654	20056.7	Mon	Unid Egyptian embassy clg SSTE: MFA Cairo	SITOR 100/170	(AB)
EGY	19-11	0900	17426.7	Tue	MFA Cairo wkg XBVC: Egyptian embassy Vienna	SITOR-A 100/170	(AB)
EGY	19-11	0902	17425	Tue	99901: MFA Cairo message to 11106: Egyptian embassy Vienna	CODAN	(AB)
EGY	19-11	0940	17426.7	Tue	MFA Cairo wkg XBVC: Egyptian embassy Vienna	SITOR-A 100/170	(AB)
EGY	19-11	0942	17425	Tue	99903: MFA Cairo message to 11106: Egyptian embassy Vienna	CODAN	(AB)

EGY	19-11	1005	20056.7	Tue	MFA Cairo wkg OOVp: Egyptian embassy Islamabad	SITOR-A 100/170	(AB)
EGY	19-11	1012	18050	Tue	99901: MFA Cairo message to 11106: Egyptian embassy Vienna	CODAN	(AB)
EGY	19-11	1029	17426.7	Tue	MFA Cairo clg TVQX: Egyptian embassy Tehran	SITOR-A 100/170	(AB)
EGY	19-11	1031	17425	Tue	99901: MFA Cairo wkg 21: Egyptian embassy Tehran	CODAN	(AB)
EGY	19-11	1057	20055	Tue	99901: MFA Cairo message to 44405: Egyptian embassy Islamabad	CODAN	(AB)
EGY	19-11	1057	20056.7	Tue	MFA Cairo clg OOVp: Egyptian embassy Islamabad	SITOR-A 100/170	(AB)
EGY	19-11	1142	20055	Tue	99901: MFA Cairo message to 44406: Egyptian embassy New Delhi	CODAN	(AB)
EGY	19-11	1142	20056.7	Tue	MFA Cairo clg OOVc: Egyptian embassy New Delhi	SITOR-A 100/170	(AB)
EGY	19-11	1255	17425	Tue	99901: MFA Cairo message to 11105: Egyptian embassy Rome	CODAN	(AB)
EGY	19-11	1308	18051.7	Tue	MFA Cairo clg XBVP: Egyptian embassy Rome	SITOR-A 100/170	(AB)
EGY	19-11	1309	18050	Tue	99901: MFA Cairo message to 11105: Egyptian embassy Rome	CODAN	(AB)
EGY	19-11	1412	18051.7	Tue	MFA Cairo clg OOVp: Egyptian embassy Islamabad	SITOR-A 100/170	(AB)
EGY	19-11	1414	18050	Tue	99901: MFA Cairo message to 44405: Egyptian embassy Islamabad	CODAN	(AB)
EGY	19-11	1518	17426.7	Tue	MFA Cairo clg XBVC: Egyptian embassy Vienna	SITOR-A 100/170	(AB)
EGY	19-11	1520	17425	Tue	99903: MFA Cairo message to 11106: Egyptian embassy Vienna	CODAN	(AB)
EGY	20-11	0819	18051.7	Wed	MFA Cairo wkg QQTX: Egyptian embassy Prague	SITOR-A 100/170	(AB)
EGY	20-11	0820	18050	Wed	99903: MFA Cairo message to 22201: Egyptian embassy Prague	CODAN	(AB)
EGY	20-11	0827	20056.7	Wed	MFA Cairo clg OOVp: Egyptian embassy Islamabad	SITOR-A 100/170	(AB)
EGY	20-11	0828	20055	Wed	99901: MFA Cairo message to 44405: Egyptian embassy Islamabad	CODAN	(AB)
EGY	20-11	0843	20056.7	Wed	MFA Cairo wkg OOVp: Egyptian embassy Islamabad	SITOR-A 100/170	(AB)
EGY	20-11	0847	20051.7	Wed	MFA Cairo clg OOVp: Egyptian embassy Islamabad	SITOR-A 100/170	(AB)
EGY	20-11	1328	18051.7	Wed	MFA Cairo wkg TVQX: Egyptian embassy Tehran	SITOR 100/170	(AB)
EGY	20-11	1331	18050	Wed	99901: MFA Cairo message to 21: Egyptian embassy Tehran	CODAN	(AB)
EGY	20-11	1344	20056.7	Wed	MFA Cairo wkg KKVD: Egyptian embassy Conakry	SITOR-A 100/170	(AB)
EGY	20-11	1433	18051.7	Wed	MFA Cairo clg KKVU: Egyptian embassy Accra	SITOR 100/170	(AB)
EGY	20-11	1435	18050	Wed	99902: MA Cairo message to 33302: Egyptian embassy Accra	CODAN	(AB)
EGY	20-11	1456	20056.7	Wed	MFA Cairo clg OOVc: Egyptian embassy New Delhi	SITOR 100/170	(AB)
EGY	20-11	1459	20055	Wed	99901: MFA Cairo message to 44406: Egyptian embassy New Delhi	CODAN	(AB)
EGY	20-11	1505	20025	Wed	99901: MFA Cairo message to 44406: Egyptian embassy New Delhi	CODAN	(AB)
EGY	20-11	1507	20026.7	Wed	MFA Cairo clg OOVc: Egyptian embassy New Delhi	SITOR 100/170	(AB)
EGY	21-11	0854	20051.7	Thu	MFA Cairo clg KKVD: Egyptian embassy Conakry	SITOR-A 100/170	(AB)
EGY	21-11	0857	20051.7	Thu	KKVD: Egyptian embassy Conakry wkg SSTU: MFA Cairo	SITOR-A 100/170	(AB)
EGY	21-11	0904	20036.7	Thu	MFA Cairo clg KKXR: Egyptian embassy Ouagadougou	SITOR-A 100/170	(AB)
EGY	21-11	0913	20036.7	Thu	MFA Cairo clg KKXR: Egyptian embassy Ouagadougou	SITOR-A 100/170	(AB)
EGY	21-11	0918	18051.7	Thu	MFA Cairo wkg TVQX: Egyptian embassy Tehran	SITOR-A 100/170	(AB)
EGY	21-11	0919	18050	Thu	99901: MFA Cairo message to 21: Egyptian embassy Tehran	CODAN	(AB)
EGY	21-11	0930	17426.7	Thu	Egyptian diplo	SITOR-A 100/170	(AB)
EGY	21-11	1147	20036.7	Thu	Egyptian embassy N'djamena wkg SSTU: MFA Cairo	SITOR-A 100/170	(AB)
EGY	21-11	1152	20036.7	Thu	MFA CAiro message to Egyptian embassy N'djamena (TO: INDJAMENA, TIME & DATE: 12:56, 21 NOVEMBER, NUMBER OF GROUPS: 232 === off)	SITOR-A 100/170	(AB)
EGY	21-11	1154	20056.7	Thu	MFA Cairo clg OOVc: Egyptian embassy New Delhi	SITOR-A 100/170	(AB)
EGY	21-11	1155	20036.7	Thu	Egyptian embassy N'djamena clg SSTU: MFA Cairo	SITOR-A 100/170	(AB)
EGY	21-11	1155	20055	Thu	99901: MFA Cairo message to 44406: Egyptian embassy New Delhi	CODAN	(AB)

EGY	21-11	1200	18051.7	Thu	MFA Cairo clg OOV: Egyptian embassy New Delhi	SITOR-A 100/170	(AB)
EGY	21-11	1302	20056.7	Thu	MFA Cairo wkg TVXF: unid Egyptian embassy	SITOR-1 100/170	(AB)
EGY	21-11	1308	20055	Thu	99901: MFA Cairo message to 18: unid Egyptian embassy	CODAN	(AB)
EGY	21-11	1311	20051.7	Thu	MFA Cairo clg KKVD: Egyptian embassy Conakry	SITOR-A 100/170	(AB)
EGY	21-11	1312	20050	Thu	99901: MFA Cairo message to 33308: Egyptian embassy Conakry	CODAN	(AB)
EGY	21-11	1342	20056.7	Thu	MFA Cairo clg OOV: Egyptian embassy Islamabad	SITOR-A 100/170	(PP1)
EGY	21-11	1403	20056.7	Thu	MFA Cairo clg OOV: Egyptian embassy Islamabad	SITOR-A 100/170	(AB)
EGY	21-11	1404	20055	Thu	99901: MFA Cairo message to 44405: Egyptian embassy Islamabad	CODAN	(AB)
EGY	22-11	1300	17431.7	Fri	MFA Cairo wkg OOV: Egyptian embassy New Delhi	SITOR-A 100/170	(AB)
EGY	22-11	1303	22980	Fri	Egyptian diplo i.p.	CODAN	(AB)
EGY	22-11	1315	17430	Fri	99901: MFA Cairo message to 44406: Egyptian embassy New Delhi	CODAN	(AB)
EGY	25-11	1620	20036.7	Mon	MFA Cairo wkg KKXR: Egyptian embassy Ouagadougou	SITOR-A 100/170	(AB)
EGY	25-11	1622	20035	Mon	99902: MFA Cairo message to 33316: Egyptian embassy Ouagadougou	CODAN	(AB)
EGY	25-11	1634	20036.7	Mon	MFA Cairo clg KKVU: Egyptian embassy Accra	SITOR-A 100/170	(AB)
EGY	25-11	1635	20035	Mon	99902: MFA Cairo message to 33302: Egyptian embassy Accra	CODAN	(AB)
EGY	26-11	1147	20056.7	Tue	MFA Cairo clg KKXZ: Egyptian embassy Pretoria	SITOR-A 100/170	(AB)
EGY	26-11	1148	20055	Tue	99901: MFA Cairo message to 33317: Egyptian embassy Pretoria	CODAN	(AB)
EGY	26-11	1158	20056.7	Tue	MFA Cairo clg KKXZ: Egyptian embassy Pretoria	SITOR-A 100/170	(AB)
EGY	26-11	1211	20056.7	Tue	MFA Cairo clg KKXZ: Egyptian embassy Pretoria	SITOR-A 100/170	(AB)
EGY	26-11	1213	20055	Tue	99901: MFA Cairo message to 33317: Egyptian embassy Pretoria	CODAN	(AB)
EGY	26-11	1218	20056.7	Tue	MFA Cairo clg KKXZ: Egyptian embassy Pretoria	SITOR-A 100/170	(AB)
EGY	27-11	0924	18051.7	Wed	MFA Cairo wkg TVQX: Egyptian embassy Tehran	SITOR-A 100/170	(AB)
EGY	27-11	0927	18050	Wed	99902: MFA Cairo message to 21: Egyptian embassy Tehran	CODAN	(AB)
EGY	27-11	0944	17416.7	Wed	MFA Cairo wkg unid embassy (too weak to copy)	SITOR-A 100/170	(AB)
EGY	27-11	0947	17415	Wed	MFA Cairo message to unid embassy (too weak to copy)	CODAN	(AB)
EGY	27-11	0950	20056.7	Wed	MFA Cairo clg OOV: Egyptian embassy Islamabad	SITOR-A 100/170	(AB)
EGY	27-11	0951	20055	Wed	99901: MFA Cairo message to 44405: Egyptian embassy Islamabad	CODAN	(AB)
EGY	27-11	1021	17416.7	Wed	MFA Cairo clg KKXT: Egyptian embassy Nairobi	SITOR-A 100/170	(AB)
EGY	27-11	1026	20055	Wed	99901: MFA Cairo message to 44405: Egyptian embassy Islamabad	CODAN	(AB)
EGY	27-11	1102	20036.7	Wed	MFA Cairo clg KKXT: Egyptian embassy Nairobi	SITOR-A 100/170	(AB)
EGY	27-11	1103	20035	Wed	99901: MFA Cairo message to 33310: Egyptian embassy Nairobi	CODAN	(AB)
EGY	27-11	1426	18051.7	Wed	MFA Cairo wkg KKQT: Egyptian embassy Niamey	SITOR-A 100/170	(AB)
EGY	27-11	1427	18050	Wed	99902: MFA Cairo message to 33320: Egyptian embassy Niamey	CODAN	(AB)
EGY	28-11	1337	20055	Thu	99901: MFA Cairo message to 44406: Egyptian embassy New Delhi	CODAN	(AB)
EGY	28-11	1351	20056.7	Thu	MFA Cairo clg TVXF: unid embassy	SITOR-A 100/170	(AB)
EGY	29-11	0826	20036.7	Fri	MFA Cairo clg OOV: Egyptian embassy New Delhi	SITOR-A 100/170	(AB)
EGY	29-11	1242	20050	Fri	99901: MFA Cairo trying to connect with 44406: Egyptian embassy New Delhi. No joy	CODAN	(AB)
EGY	29-11	1256	20051.7	Fri	MFA Cairo message to OOV: Egyptian embassy New Delhi (L/H 1/ /2024 11 29 730 etc.)	SITOR-A 100/170	(AB)
F01	1-11	0230	13370	Fri	00000 +++++ +++++	FSK 200/500	(PY)
F01	1-11	0240	11538	Fri	00000 +++++ +++++	FSK 200/500	(PY)
F01	1-11	0250	10614	Fri	00000 +++++ +++++	FSK 200/500	(PY)
F01	4-11	1015	12177	Mon	Message 81	FSK 200/500	(AB)

F01	4-11	1025	10671	Mon	Message 81	FSK 200/500	(AB)
F01	4-11	1035	8024	Mon	Message 81	FSK 200/500	(AB)
F01	5-11	0230	13370	Tue	00000 +++++ +++++	FSK 200/500	(PY)
F01	5-11	0240	11538	Tue	00000 +++++ +++++	FSK 200/500	(PY)
F01	5-11	0250	10614	Tue	00000 +++++ +++++	FSK 200/500	(PY)
F01	5-11	1015	12177	Tue	Messages 82 and 83	FSK 200/500	(AB)
F01	5-11	1025	10671	Tue	Messages 82 and 83	FSK 200/500	(AB)
F01	5-11	1035	8024	Tue	Messages 82 and 83	FSK 200/500	(AB)
F01	6-11	0230	13370	Wed	Messages 21 and 22	FSK 200/500	(PY)
F01	6-11	0240	11538	Wed	Messages 21 and 22	FSK 200/500	(PY)
F01	6-11	0250	10614	Wed	Messages 21 and 22	FSK 200/500	(PY)
F01	6-11	1015	12177	Wed	Message 84	FSK 200/500	(AB)
F01	6-11	1025	10671	Wed	Message 84	FSK 200/500	(AB)
F01	6-11	1035	8024	Wed	Message 84	FSK 200/500	(AB)
F01	7-11	0230	13370	Thu	Messages 21 and 22	FSK 200/500	(PY)
F01	7-11	0240	11538	Thu	Messages 21 and 22	FSK 200/500	(PY)
F01	7-11	0250	10614	Thu	Messages 21 and 22	FSK 200/500	(PY)
F01	8-11	0230	13370	Fri	00000 +++++ +++++	FSK 200/500	(PY)
F01	8-11	0240	11538	Fri	00000 +++++ +++++	FSK 200/500	(PY)
F01	8-11	0250	10614	Fri	00000 +++++ +++++	FSK 200/500	(PY)
F01	8-11	1015	12177	Fri	00000 +++++ +++++	FSK 200/500	(AB)
F01	8-11	1025	10671	Fri	00000 +++++ +++++	FSK 200/500	(AB)
F01	8-11	1035	8024	Fri	00000 +++++ +++++	FSK 200/500	(AB)
F01	11-11	0230	13370	Mon	Message 23	FSK 200/500	(PY)
F01	11-11	0240	11538	Mon	Message 23	FSK 200/500	(PY)
F01	11-11	0250	10614	Mon	Message 23	FSK 200/500	(PY)
F01	11-11	1015	12177	Mon	Message 85	FSK 200/500	(AB)
F01	11-11	1025	10671	Mon	Message 85	FSK 200/500	(AB)
F01	11-11	1035	8024	Mon	Message 85	FSK 200/500	(AB)
F01	12-11	0230	13370	Tue	Message 23	FSK 200/500	(PY)
F01	12-11	0240	13370	Tue	Message 23	FSK 200/500	(PY)
F01	12-11	0243	11538	Tue	Message 23	FSK 200/500	(PY)
F01	12-11	0250	10614	Tue	Message 23	FSK 200/500	(PY)
F01	12-11	1015	12177	Tue	Messages 86 and 87	FSK 200/500	(AB/HFD-RUS)
F01	12-11	1025	10671	Tue	Messages 86 and 87	FSK 200/500	(AB/HFD-RUS)
F01	12-11	1035	8024	Tue	Messages 86 and 87	FSK 200/500	(AB/HFD-POL)
F01	13-11	0230	13370	Wed	Message 24	FSK 200/500	(PY)
F01	13-11	0240	11538	Wed	Message 24	FSK 200/500	(PY)
F01	13-11	0250	10614	Wed	Message 24	FSK 200/500	(PY)
F01	13-11	1015	12177	Wed	Message 88	FSK 200/500	(AB)
F01	13-11	1025	10671	Wed	Message 88	FSK 200/500	(AB)
F01	13-11	1035	8024	Wed	Message 88	FSK 200/500	(AB)
F01	14-11	0230	13370	Thu	+++++ +++++ +++++	FSK 200/500	(PY)

F01	14-11	0240	11538	Thu	+++++ +++++ +++++	FSK 200/500	(PY)
F01	14-11	0250	10614	Thu	+++++ +++++ +++++	FSK 200/500	(PY)
F01	14-11	1015	12177	Thu	Messages 89 and 90	FSK 200/500	(AB)
F01	14-11	1025	10671	Thu	Messages 89 and 90	FSK 200/500	(AB)
F01	14-11	1035	8024	Thu	Messages 89 and 90	FSK 200/500	(AB)
F01	15-11	0230	13370	Fri	00000 +++++ +++++	FSK 200/500	(PY)
F01	15-11	0240	11538	Fri	00000 +++++ +++++	FSK 200/500	(PY)
F01	15-11	0250	10614	Fri	00000 +++++ +++++	FSK 200/500	(PY)
F01	15-11	1015	12177	Fri	00000 +++++ +++++	FSK 200/500	(AB)
F01	15-11	1025	10671	Fri	00000 +++++ +++++	FSK 200/500	(AB)
F01	15-11	1035	8024	Fri	00000 +++++ +++++	FSK 200/500	(AB)
F01	18-11	0230	13370	Mon	Messages 25 and 26	FSK 200/500	(PY)
F01	18-11	0240	13370	Mon	Messages 25 and 26	FSK 200/500	(PY)
F01	18-11	0243	11538	Mon	Messages 25 and 26	FSK 200/500	(PY)
F01	18-11	0250	10614	Mon	Messages 25 and 26	FSK 200/500	(PY)
F01	18-11	0252	10614	Mon	Messages 25 and 26	FSK 200/500	(PY)
F01	18-11	1015	12177	Mon	Message 91	FSK 200/500	(AB)
F01	18-11	1025	10671	Mon	Message 91	FSK 200/500	(AB)
F01	18-11	1035	8024	Mon	Message 91	FSK 200/500	(AB)
F01	19-11	1015	12177	Tue	Messages 92 and 93	FSK 200/500	(AB)
F01	19-11	1025	10671	Tue	Messages 92 and 93	FSK 200/500	(AB)
F01	19-11	1035	8024	Tue	Messages 92 and 93	FSK 200/500	(AB)
F01	20-11	0230	13370	Wed	Messages 27 and 28	FSK 200/500	(PY)
F01	20-11	0240	13370	Wed	Messages 27 and 28	FSK 200/500	(PY)
F01	20-11	0246	11538	Wed	Messages 27 and 28	FSK 200/500	(PY)
F01	20-11	0250	10614	Wed	Messages 27 and 28	FSK 200/500	(PY)
F01	20-11	1015	12177	Wed	Message 94	FSK 200/500	(AB)
F01	20-11	1025	10671	Wed	Message 94	FSK 200/500	(AB)
F01	20-11	1035	8024	Wed	Message 94	FSK 200/500	(AB)
F01	21-11	0230	13370	Thu	Messages 27 and 28	FSK 200/500	(PY)
F01	21-11	0240	11538	Thu	Messages 27 and 28	FSK 200/500	(PY)
F01	21-11	0250	10614	Thu	Messages 27 and 28	FSK 200/500	(PY)
F01	21-11	1015	12177	Thu	Messages 95 and 96, Wrong shift	FSK 200/1000	(AB)
F01	21-11	1025	10671	Thu	Messages 95 and 96	FSK 200/500	(AB)
F01	21-11	1035	8024	Thu	Messages 95 and 96	FSK 200/500	(AB)
F01	22-11	0230	13370	Fri	00000 +++++ +++++	FSK 200/500	(PY)
F01	22-11	1015	12177	Fri	00000 +++++ +++++	FSK 200/500	(AB)
F01	22-11	1025	10671	Fri	00000 +++++ +++++	FSK 200/500	(AB)
F01	22-11	1035	8024	Fri	00000 +++++ +++++	FSK 200/500	(AB)
F01	25-11	0230	13370	Mon	Message 29	FSK 200/500	(PY)
F01	25-11	0243	11538	Mon	Message 29	FSK 200/500	(PY)
F01	25-11	0250	11538	Mon	Message 29	FSK 200/500	(PY)
F01	25-11	0252	10614	Mon	Message 29	FSK 200/500	(PY)

F01	25-11	1015	12177	Mon	Message 97	FSK 200/500	(AB)
F01	25-11	1025	10671	Mon	Message 97	FSK 200/500	(AB)
F01	25-11	1035	8024	Mon	Message 97	FSK 200/500	(AB)
F01	26-11	0230	13370	Tue	Message 29	FSK 200/500	(PY)
F01	26-11	0240	11538	Tue	Message 29. No proper transmission, Transmitter issues	FSK 200/500	(PY)
F01	26-11	0250	10614	Tue	Message 29	FSK 200/500	(PY)
F01	26-11	1015	12177	Tue	Messages 98 and 99	FSK 200/500	(AB)
F01	26-11	1025	10671	Tue	Messages 98 and 99	FSK 200/500	(AB)
F01	26-11	1035	8024	Tue	Messages 98 and 99	FSK 200/500	(AB)
F01	27-11	0230	13370	Wed	Message 30	FSK 200/500	(PY)
F01	27-11	0240	11538	Wed	Message 30	FSK 200/500	(PY)
F01	27-11	0250	10614	Wed	Message 30	FSK 200/500	(PY)
F01	27-11	1015	12177	Wed	Message 01	FSK 200/500	(AB)
F01	27-11	1025	10671	Wed	Message 01	FSK 200/500	(AB)
F01	27-11	1035	8024	Wed	Message 01	FSK 200/500	(AB)
F01	28-11	0230	13370	Thu	Message 30. Transmitter issues	FSK 200/500	(PY)
F01	28-11	0240	11538	Thu	Message 30. Transmitter issues	FSK 200/500	(PY)
F01	28-11	0250	10614	Thu	Message 30. Transmitter issues	FSK 200/500	(PY)
F01	28-11	1015	12177	Thu	Messages 02 and 03	FSK 200/500	(AB)
F01	28-11	1025	10671	Thu	Messages 02 and 03	FSK 200/500	(AB)
F01	28-11	1035	8024	Thu	Messages 02 and 03	FSK 200/500	(AB)
F01	29-11	0230	13370	Fri	00000 +++++ +++++ Transmitter issues	FSK 200/500	(PY)
F01	29-11	0240	11538	Fri	00000 +++++ +++++ Transmitter issues	FSK 200/500	(PY)
F01	29-11	0250	10614	Fri	00000 +++++ +++++ Transmitter issues	FSK 200/500	(PY)
F01	29-11	1015	12177	Fri	00000 +++++ +++++	FSK 200/500	(AB)
F01	29-11	1025	10671	Fri	00000 +++++ +++++	FSK 200/500	(AB)
F01	29-11	1035	8024	Fri	00000 +++++ +++++	FSK 200/500	(AB)
F02	14-11	0652	20057	Thu	Russian domestic net. Tests at 0651 and 0652z	FSK-4/150Bd/4000Hz	(AB)
F02	21-11	0650	20057	Thu	Russian domestic net. Test	FSK-4/150Bd/4000Hz	(AB)
F02	28-11	0651	20057	Thu	Russian domestic net. Test	FSK-4/150Bd/4000Hz	(AB)
F02	28-11	0651	20057	Thu	Russian domestic net. Test	FSK-4/150Bd/4000Hz	(AB)
F03j	4-11	0950	4828	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB-POL)
F03j	4-11	0955	4828	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB-POL)
F03j	4-11	1010	12089	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	4-11	1015	12089	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	6-11	0915	5946	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB-POL)
F03j	6-11	0920	5946	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB-POL)
F03j	6-11	0950	4828	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB-POL)
F03j	6-11	0955	4828	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB-POL)
F03j	6-11	1010	12089	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	6-11	1015	12089	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	7-11	0915	5946	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB-POL)
F03j	7-11	0920	5946	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB-POL)

F03j	11-11	0950	4828	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB-POL)
F03j	11-11	0955	4828	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB-POL)
F03j	11-11	1010	12089	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	11-11	1015	12089	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	13-11	0915	5946	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB-POL)
F03j	13-11	0920	5946	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB-POL)
F03j	13-11	0950	4828	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB-POL)
F03j	13-11	0955	4828	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB-POL)
F03j	13-11	1011	12089	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	13-11	1015	12089	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	14-11	0915	5946	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	14-11	0920	5946	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	18-11	0950	4828	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB-POL)
F03j	18-11	0955	4828	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB-POL)
F03j	18-11	1010	12089	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	18-11	1015	12089	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	19-11	0615	14940	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(PY)
F03j	19-11	0615	14940	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(Subilo)
F03j	19-11	0620	14940	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(PY)
F03j	19-11	0620	14940	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(Subilo)
F03j	20-11	0915	5946	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB-POL)
F03j	20-11	0920	5946	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB-POL)
F03j	20-11	0950	4828	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB-POL)
F03j	20-11	0955	4828	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB-POL)
F03j	20-11	1011	12089	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	20-11	1015	12089	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	21-11	0615	14940	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(PY)
F03j	21-11	0620	14940	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(PY)
F03j	21-11	0915	5946	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	21-11	0920	5946	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	25-11	0950	4828	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB-POL)
F03j	25-11	0955	4828	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB-POL)
F03j	25-11	1010	12089	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	25-11	1015	12089	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	26-11	0615	14940	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	26-11	0615	14940	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(PY)
F03j	26-11	0620	14940	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	26-11	0620	14940	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(PY)
F03j	27-11	0915	5946	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB-POL)
F03j	27-11	0920	5946	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB-POL)
F03j	27-11	0950	4828	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB-POL)
F03j	27-11	0955	4828	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB-POL)
F03j	27-11	1010	12089	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)

F03j	27-11	1015	12089	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	28-11	0915	5946	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	28-11	0920	5946	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03I	1-11	0930	6304	Fri	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	1-11	0935	6304	Fri	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	1-11	0945	6940	Fri	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	1-11	0950	6940	Fri	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	4-11	0735	8800	Mon	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	4-11	0740	8800	Mon	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	4-11	0810	26117	Mon	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	4-11	0815	26117	Mon	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	4-11	0930	6304	Mon	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	4-11	0935	6304	Mon	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	5-11	0615	14398	Tue	Polish intel.	FSK-2 100Bd/200Hz/448bp	(PY)
F03I	5-11	0615	14398	Tue	Polish intel.	FSK-2 100Bd/200Hz/448bp	(PY)
F03I	5-11	0720	18030	Tue	Polish intel.	FSK-2 100Bd/200Hz/448bp	(PY)
F03I	5-11	0720	18030	Tue	Polish intel.	FSK-2 100Bd/200Hz/448bp	(PY)
F03I	5-11	0810	17120	Tue	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	5-11	0815	17120	Tue	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	5-11	0835	17120	Tue	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	5-11	0840	17120	Tue	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	5-11	0945	6940	Tue	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	5-11	0950	6940	Tue	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	6-11	0615	21854	Wed	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	6-11	0620	21854	Wed	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	7-11	0615	14398	Thu	Polish intel.	FSK-2 100Bd/200Hz/448bp	(PY)
F03I	7-11	0615	14398	Thu	Polish intel.	FSK-2 100Bd/200Hz/448bp	(PY)
F03I	7-11	0735	8800	Thu	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	7-11	0740	8800	Thu	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	7-11	0800	13825	Thu	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	7-11	0805	13825	Thu	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	7-11	0835	17120	Thu	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	7-11	0840	17120	Thu	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	7-11	1020	18030	Thu	Polish intel.	FSK-2 100Bd/200Hz/448bp	(FD)
F03I	7-11	1025	18030	Thu	Polish intel.	FSK-2 100Bd/200Hz/448bp	(FD)
F03I	8-11	0800	13825	Fri	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	8-11	0805	13825	Fri	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	8-11	0810	26117	Fri	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	8-11	0815	26117	Fri	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	8-11	0835	17120	Fri	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	8-11	0840	17120	Fri	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	8-11	0930	6304	Fri	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	8-11	0935	6304	Fri	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)

F03I	8-11	0945	6940	Fri	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	8-11	0950	6940	Fri	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	11-11	0630	13424	Mon	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	11-11	0635	13424	Mon	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	11-11	0735	8800	Mon	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	11-11	0740	8800	Mon	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	11-11	0930	6304	Mon	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	11-11	0935	6304	Mon	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	12-11	0615	14398	Tue	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	12-11	0615	14398	Tue	Polish intel.	FSK-2 100Bd/200Hz/448bp	(PY)
F03I	12-11	0615	14398	Tue	Polish intel.	FSK-2 100Bd/200Hz/448bp	(PY)
F03I	12-11	0620	14398	Tue	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	12-11	0730	18030	Tue	Polish intel.	FSK-2 100Bd/200Hz/448bp	(FD)
F03I	12-11	0735	18030	Tue	Polish intel.	FSK-2 100Bd/200Hz/448bp	(FD)
F03I	12-11	0810	17120	Tue	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	12-11	0815	17120	Tue	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	12-11	0835	17120	Tue	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	12-11	0840	17120	Tue	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	12-11	0945	6940	Tue	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	12-11	0950	6940	Tue	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	13-11	0615	21854	Wed	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	13-11	0620	21854	Wed	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	13-11	0630	13424	Wed	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	13-11	0635	13424	Wed	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	14-11	0615	14398	Thu	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	14-11	0615	14398	Thu	Polish intel.	FSK-2 100Bd/200Hz/448bp	(PY)
F03I	14-11	0615	14398	Thu	Polish intel.	FSK-2 100Bd/200Hz/448bp	(PY)
F03I	14-11	0620	14398	Thu	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	14-11	0735	8800	Thu	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	14-11	0740	8800	Thu	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	14-11	0800	13825	Thu	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	14-11	0805	13825	Thu	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	14-11	0835	17120	Thu	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	14-11	0840	17120	Thu	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	15-11	0800	13825	Fri	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	15-11	0805	13825	Fri	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	15-11	0810	26117	Fri	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	15-11	0815	26117	Fri	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	15-11	0835	17120	Fri	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	15-11	0840	17120	Fri	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	15-11	0930	6304	Fri	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	15-11	0935	6304	Fri	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	15-11	0945	6940	Fri	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)

F03I	15-11	0950	6940	Fri	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	18-11	0615	21854	Mon	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB-POL)
F03I	18-11	0620	21854	Mon	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB-POL)
F03I	18-11	0630	13424	Mon	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	18-11	0635	13424	Mon	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	18-11	0735	8800	Mon	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	18-11	0740	8800	Mon	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	18-11	0930	6304	Mon	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	18-11	0935	6304	Mon	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	19-11	0810	17120	Tue	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	19-11	0815	17120	Tue	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	19-11	0835	17120	Tue	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	19-11	0840	17120	Tue	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	19-11	0945	6940	Tue	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	19-11	0950	6940	Tue	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	20-11	0615	21854	Wed	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	20-11	0620	21854	Wed	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	20-11	0630	13424	Wed	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	20-11	0635	13424	Wed	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	21-11	0735	8800	Thu	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	21-11	0740	8800	Thu	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	21-11	0800	13825	Thu	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	21-11	0805	13825	Thu	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	21-11	0835	17120	Thu	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	21-11	0840	17120	Thu	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	22-11	0800	13825	Fri	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	22-11	0805	13825	Fri	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	22-11	0810	26117	Fri	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	22-11	0815	26117	Fri	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	22-11	0835	17120	Fri	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	22-11	0840	17120	Fri	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	22-11	0930	6304	Fri	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	22-11	0935	6304	Fri	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	22-11	0945	6940	Fri	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	22-11	0950	6940	Fri	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	25-11	0615	21854	Mon	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB-POL)
F03I	25-11	0620	21854	Mon	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB-POL)
F03I	25-11	0630	13424	Mon	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	25-11	0635	13424	Mon	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	25-11	0735	8800	Mon	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	25-11	0740	8800	Mon	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	25-11	0810	26117	Mon	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	25-11	0815	26117	Mon	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)

F03I	25-11	0930	6304	Mon	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	25-11	0935	6304	Mon	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	26-11	0810	17120	Tue	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	26-11	0815	17120	Tue	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	26-11	0835	17120	Tue	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	26-11	0840	17120	Tue	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	26-11	0945	6940	Tue	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	26-11	0950	6940	Tue	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	27-11	0615	21854	Wed	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	27-11	0620	21854	Wed	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	27-11	0630	13424	Wed	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	27-11	0635	13424	Wed	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	28-11	0615	14398	Thu	Polish intel.	FSK-2 100Bd/200Hz/448bp	(PY)
F03I	28-11	0615	14398	Thu	Polish intel.	FSK-2 100Bd/200Hz/448bp	(PY)
F03I	28-11	0735	8800	Thu	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	28-11	0740	8800	Thu	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	28-11	0800	13825	Thu	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	28-11	0805	13825	Thu	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	28-11	0835	17120	Thu	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	28-11	0840	17120	Thu	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	29-11	0800	13825	Fri	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	29-11	0805	13825	Fri	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	29-11	0810	26117	Fri	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	29-11	0815	26117	Fri	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	29-11	0850	17120	Fri	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	29-11	0855	17120	Fri	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	29-11	0930	6304	Fri	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	29-11	0935	6304	Fri	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	29-11	0945	6940	Fri	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	29-11	0950	6940	Fri	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F06	1-11	0100	17532	Fri	1 block, 1 msg, starting at block #1 (malformed, empty transmission)	FSK 200/1000	(PY)
F06	1-11	0110	16351	Fri	1 block, 1 msg, starting at block #1 (malformed, empty transmission)	FSK 200/1000	(PY)
F06	1-11	0120	14428	Fri	1 block, 1 msg, starting at block #1 (malformed, empty transmission)	FSK 200/1000	(PY)
F06	1-11	0700	12177	Fri	11166 70202 93452 31008 00049 12753 13567 95621 00000	FSK 200/1000	(AB)
F06	1-11	0710	10156	Fri	11166 70202 93452 31008 00049 12753 13567 95621 00000	FSK 200/1000	(AB)
F06	1-11	0720	8138	Fri	11166 70202 93452 31008 00049 12753 13567 95621 00000	FSK 200/1000	(AB)
F06	1-11	0900	14432	Fri	11100 00000 94563 31006 00039 93562 34782 00000	FSK 200/1000	(Priyom)
F06	1-11	0915	12209	Fri	11100 00000 94563 31006 00039 93562 34782 00000	FSK 200/1000	(Priyom)
F06	1-11	0930	10271	Fri	11100 00000 94563 31006 00039 93562 34782 00000	FSK 200/1000	(Priyom)
F06	1-11	1000	13396	Fri	11100 00000 12584 31004 00049 10578 23780 42317 00000	FSK 200/1000	(AB/PY)
F06	1-11	1015	11123	Fri	11100 00000 12584 31004 00049 10578 23780 42317 00000	FSK 200/1000	(AB/PY)
F06	1-11	1030	9089	Fri	11100 00000 12584 31004 00049 10578 23780 42317 00000	FSK 200/1000	(AB/PY)
F06	1-11	1400	7954	Fri	11100 00000 12584 31004 00049 10578 23780 42317 00000	FSK 200/1000	(FD)

F06	1-11	1415	5452	Fri	11100 00000 12584 31004 00049 10578 23780 42317 00000	FSK 200/1000	(FD)
F06	1-11	1430	4035	Fri	11100 00000 12584 31004 00049 10578 23780 42317 00000	FSK 200/1000	(FD)
F06	3-11	1530	14475	Sun	11166 10053 87642 03001 00049 00000 00000 00000 00000	FSK 200/1000	(AB/PY)
F06	3-11	1540	13521	Sun	11166 10053 87642 03001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	3-11	1550	10196	Sun	11166 10053 87642 03001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	4-11	0500	8174	Mon	11166 70059 87642 04001 00049 00000 00000 00000 00000	FSK 200/1000	(AB/PY)
F06	4-11	0510	7316	Mon	11166 70059 87642 04001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	4-11	0520	5929	Mon	11166 70059 87642 04001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	4-11	0800	12208	Mon	11100 00000 53194 02061 03339	FSK 200/1000	(AB/PY)
F06	4-11	0810	10191	Mon	11100 00000 53194 02061 03339	FSK 200/1000	(AB)
F06	4-11	0820	8014	Mon	11100 00000 53194 02061 03339	FSK 200/1000	(AB)
F06	5-11	0030	10523	Tue	11166 60070 13467 05001 00049 00000 00000 00000 00000	FSK 200/1000	(AB/PY)
F06	5-11	0040	8131	Tue	11166 60070 13467 05001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	5-11	0050	7765	Tue	11166 60070 13467 05001 00049 00000 00000 00000 00000	FSK 200/1000	(AB/PY)
F06	5-11	0100	17532	Tue	11100 09501 00000 05125 00049 00000 00000 00000 00000	FSK 200/1000	(PY)
F06	5-11	0110	17532	Tue	11100 09501 00000 05125 00049 00000 00000 00000 00000	FSK 200/1000	(PY)
F06	5-11	0113	16351	Tue	11100 09501 00000 05125 00049 00000 00000 00000 00000	FSK 200/1000	(PY)
F06	5-11	0120	14428	Tue	11100 09501 00000 05125 00049 00000 00000 00000 00000	FSK 200/1000	(PY)
F06	5-11	0700	12177	Tue	11166 70202 73214 02069 00959 and 11166 70202 57926 02070 02299	FSK 200/1000	(AB)
F06	5-11	0710	10156	Tue	11166 70202 73214 02069 00959 and 11166 70202 57926 02070 02299	FSK 200/1000	(AB)
F06	5-11	0720	8138	Tue	11166 70202 73214 02069 00959 and 11166 70202 57926 02070 02299	FSK 200/1000	(AB)
F06	5-11	0800	12208	Tue	11100 00000 53194 02061 03339	FSK 200/1000	(AB/PY)
F06	5-11	0810	10191	Tue	11100 00000 53194 02061 03339	FSK 200/1000	(AB)
F06	5-11	0820	8014	Tue	11100 00000 53194 02061 03339	FSK 200/1000	(AB)
F06	5-11	1200	10231	Tue	11166 70202 73214 02069 00959 and 11166 70202 57926 02070 02299	FSK 200/1000	(AB)
F06	5-11	1210	8082	Tue	11166 70202 73214 02069 00959 and 11166 70202 57926 02070 02299	FSK 200/1000	(AB)
F06	5-11	1220	6869	Tue	11166 70202 73214 02069 00959 and 11166 70202 57926 02070 02299	FSK 200/1000	(AB)
F06	5-11	1650	13469	Tue	11166 10053 84625 05001 00049 00000 00000 00000 00000	FSK 200/1000	(AB/PY)
F06	5-11	1700	11643	Tue	11166 10053 84625 05001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	5-11	1710	9486	Tue	11166 10053 84625 05001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	6-11	0102	17532	Wed	File ZFD_35 (1536 bytes) empty text header, late start	FSK 200/1000	(PY)
F06	7-11	0700	12177	Thu	11166 70202 45632 06072 01879 and 11166 70202 65412 06073 02079	FSK 200/1000	(AB)
F06	7-11	0710	10156	Thu	11166 70202 45632 06072 01879 and 11166 70202 65412 06073 02079	FSK 200/1000	(AB)
F06	7-11	0720	8138	Thu	11166 70202 45632 06072 01879 and 11166 70202 65412 06073 02079	FSK 200/1000	(AB)
F06	7-11	1200	10231	Thu	11166 70202 45632 06072 01879 and 11166 70202 65412 06073 02079	FSK 200/1000	(AB)
F06	7-11	1210	8082	Thu	11166 70202 45632 06072 01879 and 11166 70202 65412 06073 02079	FSK 200/1000	(AB)
F06	7-11	1220	6869	Thu	11166 70202 45632 06072 01879 and 11166 70202 65412 06073 02079	FSK 200/1000	(AB)
F06	7-11	1330	17465	Thu	11166 80214 20186 07082 00049 00000 00000 00000 00000	FSK 200/1000	(AB/PY)
F06	7-11	1340	14858	Thu	11166 80214 20186 07082 00049 00000 00000 00000 00000	FSK 200/1000	(AB/PY)
F06	7-11	1350	11631	Thu	11166 80214 20186 07082 00049 00000 00000 00000 00000	FSK 200/1000	(AB/PY)
F06	8-11	0100	17532	Fri	1 block, 1 msg, starting at block #1 (malformed, empty transmission)	FSK 200/1000	(PY)
F06	8-11	0110	16351	Fri	1 block, 1 msg, starting at block #1 (malformed, empty transmission)	FSK 200/1000	(PY)
F06	8-11	0120	14428	Fri	1 block, 1 msg, starting at block #1 (malformed, empty transmission)	FSK 200/1000	(PY)

F06	8-11	0700	12177	Fri	11166 70202 14567 08070 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	8-11	0710	10156	Fri	11166 70202 14567 08070 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	8-11	0720	8138	Fri	11166 70202 14567 08070 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	10-11	1530	14475	Sun	11166 10053 13467 10001 00049 00000 00000 00000 00000	FSK 200/1000	(AB/PY)
F06	10-11	1540	13521	Sun	11166 10053 13467 10001 00049 00000 00000 00000 00000	FSK 200/1000	(AB/RL-HOL)
F06	10-11	1550	10196	Sun	11166 10053 13467 10001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	11-11	0100	17532	Mon	11100 09501 00000 11098 03439	FSK 200/1000	(PY)
F06	11-11	0800	12208	Mon	11100 00000 27659 08062 00959	FSK 200/1000	(AB/PY)
F06	11-11	0810	10191	Mon	11100 00000 27659 08062 00959	FSK 200/1000	(AB)
F06	11-11	0820	8014	Mon	11100 00000 27659 08062 00959	FSK 200/1000	(AB)
F06	12-11	0030	10523	Tue	11166 60070 15963 12001 00049 00000 00000 00000 00000	FSK 200/1000	(AB/PY)
F06	12-11	0040	8131	Tue	11166 60070 15963 12001 00049 00000 00000 00000 00000	FSK 200/1000	(AB/PY)
F06	12-11	0050	7765	Tue	11166 60070 15963 12001 00049 00000 00000 00000 00000	FSK 200/1000	(AB/PY)
F06	12-11	0100	17532	Tue	11100 09501 00000 11098 03439	FSK 200/1000	(PY)
F06	12-11	0700	12177	Tue	11166 70202 38521 11075 01379 and 11166 70202 91452 11076 02439	FSK 200/1000	(AB)
F06	12-11	0710	10156	Tue	11166 70202 38521 11075 01379 and 11166 70202 91452 11076 02439	FSK 200/1000	(AB)
F06	12-11	0720	8138	Tue	11166 70202 38521 11075 01379 and 11166 70202 91452 11076 02439	FSK 200/1000	(AB)
F06	12-11	0800	12208	Tue	11100 00000 27659 08062 00959	FSK 200/1000	(AB/PY)
F06	12-11	0810	10191	Tue	11100 00000 27659 08062 00959	FSK 200/1000	(AB)
F06	12-11	0820	8014	Tue	11100 00000 27659 08062 00959	FSK 200/1000	(AB)
F06	12-11	1200	10231	Tue	11166 70202 38521 11075 01379 and 11166 70202 91452 11076 02439	FSK 200/1000	(AB/RL-HOL)
F06	12-11	1210	8082	Tue	11166 70202 38521 11075 01379 and 11166 70202 91452 11076 02439	FSK 200/1000	(AB)
F06	12-11	1220	6869	Tue	11166 70202 38521 11075 01379 and 11166 70202 91452 11076 02439	FSK 200/1000	(AB)
F06	12-11	1650	13469	Tue	11166 10053 18930 12001 00049 00000 00000 00000 00000	FSK 200/1000	(AB/PY)
F06	12-11	1700	11643	Tue	11166 10053 18930 12001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	12-11	1710	9486	Tue	11166 10053 18930 12001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	13-11	1015	27837	Wed	11166 40023 13467 13001 00049 00000 00000 00000 00000	FSK 200/1000	(PY)
F06	13-11	1030	24083	Wed	11166 40023 13467 13001 00049 00000 00000 00000 00000	FSK 200/1000	(PY)
F06	13-11	1045	22887	Wed	11166 40023 13467 13001 00049 00000 00000 00000 00000	FSK 200/1000	(PY)
F06	14-11	0100	17532	Thu	1 block, 1 msg, starting at block #3 (malformed, empty transmission)	FSK 200/1000	(PY)
F06	14-11	0110	16351	Thu	1 block, 1 msg, starting at block #3 (malformed, empty transmission)	FSK 200/1000	(PY)
F06	14-11	0120	14428	Thu	1 block, 1 msg, starting at block #3 (malformed, empty transmission)	FSK 200/1000	(PY)
F06	14-11	0700	12177	Thu	11166 70202 82415 13078 01739 and 11166 70202 65214 13079 01859	FSK 200/1000	(AB)
F06	14-11	0710	10156	Thu	11166 70202 82415 13078 01739 and 11166 70202 65214 13079 01859	FSK 200/1000	(AB)
F06	14-11	0720	8138	Thu	11166 70202 82415 13078 01739 and 11166 70202 65214 13079 01859	FSK 200/1000	(AB)
F06	14-11	1200	10231	Thu	11166 70202 82415 13078 01739 and 11166 70202 65214 13079 01859	FSK 200/1000	(AB)
F06	14-11	1210	8082	Thu	11166 70202 82415 13078 01739 and 11166 70202 65214 13079 01859	FSK 200/1000	(AB)
F06	14-11	1220	6869	Thu	11166 70202 82415 13078 01739 and 11166 70202 65214 13079 01859	FSK 200/1000	(AB)
F06	14-11	1330	17465	Thu	11166 80214 85201 14055 00049 00000 00000 00000 00000	FSK 200/1000	(AB/RL-HOL/PY)
F06	14-11	1340	14858	Thu	11166 80214 85201 14055 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	14-11	1350	11631	Thu	11166 80214 85201 14055 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	14-11	1700	9481	Thu	11100 00000 62154 13053 00049 45214 23142 98547 00000	FSK 200/1000	(PY)

F06	14-11	1715	7337	Thu	11100 00000 62154 13053 00049 45214 23142 98547 00000	FSK 200/1000	(PY)
F06	14-11	1730	5089	Thu	11100 00000 62154 13053 00049 45214 23142 98547 00000	FSK 200/1000	(PY)
F06	15-11	0100	17532	Fri	Not heard	FSK 200/1000	(PY)
F06	15-11	0110	16351	Fri	11100 09501 00000 15043 00049 00000 00000 00000 00000	FSK 200/1000	(PY)
F06	15-11	0120	14428	Fri	11100 09501 00000 15043 00049 00000 00000 00000 00000	FSK 200/1000	(PY)
F06	15-11	0700	12177	Fri	11166 70202 37841 14078 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	15-11	0710	10156	Fri	11166 70202 37841 14078 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	15-11	0720	8138	Fri	11166 70202 37841 14078 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	17-11	1530	14475	Sun	11166 10053 93175 17321 00049 00000 00000 00000 00000	FSK 200/1000	(AB/PY)
F06	17-11	1540	13521	Sun	11166 10053 93175 17321 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	17-11	1550	10196	Sun	11166 10053 93175 17321 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	18-11	0100	17532	Mon	11100 09501 00000 18099 01729 and 11100 09501 00000 18001 02129	FSK 200/1000	(PY)
F06	18-11	0100	17532	Mon	11100 09501 00000 18099 01729 and 11100 09501 00000 18001 02129	FSK 200/1000	(PY)
F06	18-11	0500	8174	Mon	11166 70059 94632 18001 00049 00000 00000 00000 00000	FSK 200/1000	(AB/PY)
F06	18-11	0510	7316	Mon	11166 70059 94632 18001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	18-11	0520	5929	Mon	11166 70059 94632 18001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	18-11	0800	12208	Mon	11100 00000 87513 15063 01039	FSK 200/1000	(AB/PY)
F06	18-11	0810	10191	Mon	11100 00000 87513 15063 01039	FSK 200/1000	(AB)
F06	18-11	0820	8014	Mon	11100 00000 87513 15063 01039	FSK 200/1000	(AB)
F06	19-11	0030	10523	Tue	11166 60070 32486 19001 00049 00000 00000 00000 00000	FSK 200/1000	(AB/PY)
F06	19-11	0040	8131	Tue	11166 60070 32486 19001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	19-11	0050	7765	Tue	11166 60070 32486 19001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	19-11	0700	12177	Tue	11166 70202 73941 18081 01839 and 11166 70202 48670 18082 01539	FSK 200/1000	(AB)
F06	19-11	0710	10156	Tue	11166 70202 73941 18081 01839 and 11166 70202 48670 18082 01539	FSK 200/1000	(AB)
F06	19-11	0720	8138	Tue	11166 70202 73941 18081 01839 and 11166 70202 48670 18082 01539	FSK 200/1000	(AB)
F06	19-11	0800	12208	Tue	11100 00000 87513 15063 01039	FSK 200/1000	(AB)
F06	19-11	0800	5089	Tue	11100 00000 46182 19057 02599	FSK 200/1000	(PY)
F06	19-11	0810	10191	Tue	11100 00000 87513 15063 01039	FSK 200/1000	(AB)
F06	19-11	0810	7337	Tue	11100 00000 46182 19057 02599	FSK 200/1000	(PY)
F06	19-11	0820	8014	Tue	11100 00000 87513 15063 01039	FSK 200/1000	(AB)
F06	19-11	0820	9481	Tue	11100 00000 46182 19057 02599	FSK 200/1000	(PY)
F06	19-11	1200	10231	Tue	11166 70202 73941 18081 01839 and 11166 70202 48670 18082 01539	FSK 200/1000	(AB)
F06	19-11	1210	8082	Tue	11166 70202 73941 18081 01839 and 11166 70202 48670 18082 01539	FSK 200/1000	(AB)
F06	19-11	1220	6869	Tue	11166 70202 73941 18081 01839 and 11166 70202 48670 18082 01539	FSK 200/1000	(AB)
F06	19-11	1650	13469	Tue	11166 10053 13467 19001 00049 00000 00000 00000 00000	FSK 200/1000	(AB/PY)
F06	19-11	1700	11643	Tue	11166 10053 13467 19001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	19-11	1710	9486	Tue	11166 10053 13467 19001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	21-11	0700	12177	Thu	11166 70202 79462 20084 01819 and 11166 70202 39281 20085 01559	FSK 200/1000	(AB)
F06	21-11	0710	10156	Thu	11166 70202 79462 20084 01819 and 11166 70202 39281 20085 01559	FSK 200/1000	(AB)
F06	21-11	0720	8138	Thu	11166 70202 79462 20084 01819 and 11166 70202 39281 20085 01559	FSK 200/1000	(AB)
F06	21-11	1200	10231	Thu	11166 70202 79462 20084 01819 and 11166 70202 39281 20085 01559	FSK 200/1000	(AB)
F06	21-11	1210	8082	Thu	11166 70202 79462 20084 01819 and 11166 70202 39281 20085 01559	FSK 200/1000	(AB)
F06	21-11	1220	6869	Thu	11166 70202 79462 20084 01819 and 11166 70202 39281 20085 01559	FSK 200/1000	(AB)

F06	21-11	1330	17465	Thu	11166 80214 45127 20066 00049 00000 00000 00000 00000 (wrong date in the header)	FSK 200/1000	(AB)
F06	21-11	1340	14858	Thu	11166 80214 45127 20066 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	21-11	1350	11631	Thu	11166 80214 45127 20066 00049 00000 00000 00000 00000	FSK 200/1000	(AB/PY)
F06	22-11	0100	17532	Fri	11100 09501 00000 22001 00049 00000 00000 00000 00000	FSK 200/1000	(PY)
F06	22-11	0700	12177	Fri	11166 70202 53485 22028 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	22-11	0710	10156	Fri	11166 70202 53485 22028 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	22-11	0720	8138	Fri	11166 70202 53485 22028 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	24-11	1530	14475	Sun	11166 10053 18930 24001 00049 00000 00000 00000 00000	FSK 200/1000	(AB/PY)
F06	24-11	1540	13521	Sun	11166 10053 18930 24001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	24-11	1550	10196	Sun	11166 10053 18930 24001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	25-11	0100	17532	Mon	11100 09501 00000 25002 03789	FSK 200/1000	(PY)
F06	25-11	0800	12208	Mon	11100 00000 73456 22064 01279	FSK 200/1000	(AB/PY)
F06	25-11	0810	10191	Mon	11100 00000 73456 22064 01279	FSK 200/1000	(AB)
F06	25-11	0820	8014	Mon	11100 00000 73456 22064 01279	FSK 200/1000	(AB)
F06	26-11	0030	10523	Tue	11166 60070 13467 26001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	26-11	0040	8131	Tue	11166 60070 13467 26001 00049 00000 00000 00000 00000	FSK 200/1000	(AB/PY)
F06	26-11	0050	7765	Tue	11166 60070 13467 26001 00049 00000 00000 00000 00000	FSK 200/1000	(AB/PY)
F06	26-11	0100	17532	Tue	11100 09501 00000 25002 03789	FSK 200/1000	(PY)
F06	26-11	0700	12177	Tue	11166 70202 29876 25086 01759 and 11166 70202 18345 25087 02219	FSK 200/1000	(AB)
F06	26-11	0710	10156	Tue	11166 70202 29876 25086 01759 and 11166 70202 18345 25087 02219	FSK 200/1000	(AB)
F06	26-11	0720	8138	Tue	11166 70202 29876 25086 01759 and 11166 70202 18345 25087 02219	FSK 200/1000	(AB)
F06	26-11	0800	12208	Tue	11100 00000 73456 22064 01279	FSK 200/1000	(AB/PY)
F06	26-11	0810	10191	Tue	11100 00000 73456 22064 01279	FSK 200/1000	(AB)
F06	26-11	0820	8014	Tue	11100 00000 73456 22064 01279	FSK 200/1000	(AB)
F06	26-11	1200	10231	Tue	11166 70202 29876 25086 01759 and 11166 70202 18345 25087 02219	FSK 200/1000	(AB)
F06	26-11	1210	8082	Tue	11166 70202 29876 25086 01759 and 11166 70202 18345 25087 02219	FSK 200/1000	(AB)
F06	26-11	1220	6869	Tue	11166 70202 29876 25086 01759 and 11166 70202 18345 25087 02219	FSK 200/1000	(AB)
F06	26-11	1650	13469	Tue	11166 10053 12547 26001 00049 00000 00000 00000 00000	FSK 200/1000	(AB/PY)
F06	26-11	1700	11643	Tue	11166 10053 12547 26001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	26-11	1710	9486	Tue	11166 10053 12547 26001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	27-11	1015	27837	Wed	11166 40023 15987 27078 00049 00000 00000 00000 00000	FSK 200/1000	(AB/PY)
F06	27-11	1030	24083	Wed	11166 40023 15987 27078 00049 00000 00000 00000 00000	FSK 200/1000	(AB/PY)
F06	27-11	1045	22887	Wed	11166 40023 15987 27078 00049 00000 00000 00000 00000	FSK 200/1000	(AB/PY)
F06	28-11	0700	12177	Thu	11166 70202 30514 27089 01839 and 11166 70202 95438 27090 02179	FSK 200/1000	(AB)
F06	28-11	0710	10156	Thu	11166 70202 30514 27089 01839 and 11166 70202 95438 27090 02179	FSK 200/1000	(AB)
F06	28-11	0720	8138	Thu	11166 70202 30514 27089 01839 and 11166 70202 95438 27090 02179	FSK 200/1000	(AB)
F06	28-11	1200	10231	Thu	11166 70202 30514 27089 01839 and 11166 70202 95438 27090 02179	FSK 200/1000	(AB)
F06	28-11	1210	8082	Thu	11166 70202 30514 27089 01839 and 11166 70202 95438 27090 02179	FSK 200/1000	(AB)
F06	28-11	1220	6869	Thu	11166 70202 30514 27089 01839 and 11166 70202 95438 27090 02179	FSK 200/1000	(AB)
F06	28-11	1330	17465	Thu	11166 80214 45389 28054 00049 00000 00000 00000 00000	FSK 200/1000	(AB/PY)
F06	28-11	1340	14858	Thu	11166 80214 45389 28054 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	28-11	1350	11631	Thu	11166 80214 45389 28054 00049 00000 00000 00000 00000	FSK 200/1000	(AB)

F06	29-11	0110	16351	Fri	11100 09501 00000 29003 00049 00000 00000 00000 00000	FSK 200/1000	(PY)
F06	29-11	0120	14428	Fri	11100 09501 00000 29003 00049 00000 00000 00000 00000	FSK 200/1000	(PY)
F06	29-11	0700	12177	Fri	11166 70202 16754 28017 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	29-11	0710	10156	Fri	11166 70202 16754 28017 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	29-11	0720	8138	Fri	11166 70202 16754 28017 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06a	1-11	0700	19115	Fri	Files 44403 (3271 bytes, binary contents)	FSK 200/1000	(PY)
F06a	1-11	0715	18355	Fri	Files 44403 (3271 bytes, binary contents)	FSK 200/1000	(PY)
F06a	1-11	0730	15899	Fri	Files 44403 (3271 bytes, binary contents)	FSK 200/1000	(PY)
F06a	4-11	0700	12177	Mon	File 44468 (binary contents)	FSK 200/1000	(AB)
F06a	4-11	0715	10156	Mon	File 44468 (binary contents)	FSK 200/1000	(AB)
F06a	4-11	0730	8138	Mon	File 44468 (binary contents)	FSK 200/1000	(AB)
F06a	4-11	1200	10231	Mon	File 44468 (binary contents)	FSK 200/1000	(AB)
F06a	4-11	1215	8082	Mon	File 44468 (binary contents)	FSK 200/1000	(AB)
F06a	4-11	1230	6869	Mon	File 44468 (binary contents)	FSK 200/1000	(AB)
F06a	6-11	0700	12177	Wed	File 44471 (binary contents)	FSK 200/1000	(AB)
F06a	6-11	0715	10156	Wed	File 44471 (binary contents)	FSK 200/1000	(AB)
F06a	6-11	0730	8138	Wed	File 44471 (binary contents)	FSK 200/1000	(AB)
F06a	6-11	1200	10231	Wed	File 44471 (binary contents)	FSK 200/1000	(AB)
F06a	6-11	1215	8082	Wed	File 44471 (binary contents)	FSK 200/1000	(AB)
F06a	6-11	1230	6869	Wed	File 44471 (binary contents)	FSK 200/1000	(AB)
F06a	7-11	0100	17532	Thu	File ZFD_35 (1536 bytes) empty text header	FSK 200/1000	(PY)
F06a	7-11	0115	16351	Thu	File ZFD_35 (1536 bytes) empty text header	FSK 200/1000	(PY)
F06a	7-11	0130	14428	Thu	File ZFD_35 (1536 bytes) empty text header	FSK 200/1000	(PY)
F06a	7-11	0600	16274	Thu	File 44215 (2013 bytes, binary contents)	FSK 200/1000	(PY)
F06a	7-11	0615	18677	Thu	File 44215 (2013 bytes, binary contents)	FSK 200/1000	(PY)
F06a	7-11	0630	20889	Thu	File 44215 (2013 bytes, binary contents)	FSK 200/1000	(PY)
F06a	11-11	0700	12177	Mon	File 44474 (binary contents)	FSK 200/1000	(AB)
F06a	11-11	0715	10156	Mon	File 44474 (binary contents)	FSK 200/1000	(AB)
F06a	11-11	0730	8138	Mon	File 44474 (binary contents)	FSK 200/1000	(AB)
F06a	11-11	1200	10231	Mon	File 44474 (binary contents)	FSK 200/1000	(AB)
F06a	11-11	1215	8082	Mon	File 44474 (binary contents)	FSK 200/1000	(AB)
F06a	11-11	1230	6869	Mon	File 44474 (binary contents)	FSK 200/1000	(AB)
F06a	12-11	1700	11125	Tue	File 44440 (2416 bytes, binary contents, empty text header)	FSK 200/1000	(PY)
F06a	12-11	1715	9064	Tue	File 44440 (2416 bytes, binary contents, empty text header)	FSK 200/1000	(PY)
F06a	12-11	1730	7855	Tue	File 44440 (2416 bytes, binary contents, empty text header)	FSK 200/1000	(PY)
F06a	12-11	1800	6923	Tue	Active, not decoded	FSK 200/1000	(FD)
F06a	12-11	1815	4612	Tue	Active, not decoded	FSK 200/1000	(FD)
F06a	12-11	1830	3735	Tue	Active, not decoded	FSK 200/1000	(FD)
F06a	13-11	0100	17532	Wed	File ZFD_35 (1536 bytes). header: 44400 09501 00000 13036 00009	FSK 200/1000	(PY)
F06a	13-11	0600	16274	Wed	File 45416 (binary contents)	FSK 200/1000	(AB/PY)
F06a	13-11	0615	18677	Wed	File 45416 (binary contents)	FSK 200/1000	(AB)
F06a	13-11	0630	20889	Wed	File 45416 (binary contents)	FSK 200/1000	(AB)
F06a	13-11	0630	20889	Wed	File 45416 (binary contents)	FSK 200/1000	(AB)

F06a	13-11	0700	12177	Wed	File 44477 (binary contents)	FSK 200/1000	(AB)
F06a	13-11	0715	10156	Wed	File 44477 (binary contents)	FSK 200/1000	(AB)
F06a	13-11	0730	8138	Wed	File 44477 (binary contents)	FSK 200/1000	(AB)
F06a	13-11	1200	10231	Wed	File 44477 (binary contents)	FSK 200/1000	(AB/RL-FIN)
F06a	13-11	1215	8082	Wed	File 44477 (binary contents)	FSK 200/1000	(AB/RL-FIN)
F06a	13-11	1230	6869	Wed	File 44477 (binary contents)	FSK 200/1000	(AB/RL-FIN)
F06a	14-11	0600	16274	Thu	File 45416 (binary contents)	FSK 200/1000	(AB/PY)
F06a	14-11	0615	18677	Thu	File 45416 (binary contents)	FSK 200/1000	(AB)
F06a	14-11	1700	11125	Thu	File 44441 (2662 bytes, binary contents, empty text header)	FSK 200/1000	(PY)
F06a	14-11	1715	9064	Thu	File 44441 (2662 bytes, binary contents, empty text header)	FSK 200/1000	(PY)
F06a	14-11	1730	7855	Thu	File 44441 (2662 bytes, binary contents, empty text header)	FSK 200/1000	(PY)
F06a	18-11	0700	12177	Mon	File 44480 (binary contents)	FSK 200/1000	(AB)
F06a	18-11	0715	10156	Mon	File 44480 (binary contents)	FSK 200/1000	(AB)
F06a	18-11	0730	8138	Mon	File 44480 (binary contents)	FSK 200/1000	(AB)
F06a	18-11	1200	10231	Mon	File 44480 (binary contents)	FSK 200/1000	(AB)
F06a	18-11	1215	8082	Mon	File 44480 (binary contents)	FSK 200/1000	(AB)
F06a	18-11	1230	6869	Mon	File 44480 (binary contents)	FSK 200/1000	(AB)
F06a	19-11	1800	6923	Tue	Active, not decoded	FSK 200/1000	(FD)
F06a	19-11	1815	4612	Tue	Active, not decoded	FSK 200/1000	(FD)
F06a	19-11	1830	3735	Tue	Active, not decoded	FSK 200/1000	(FD)
F06a	20-11	0100	17532	Wed	File ZFD_37 (1536 bytes) 44444 09501 00000 20037 00009	FSK 200/1000	(PY)
F06a	20-11	0600	16274	Wed	File 64417 (binary contents)	FSK 200/1000	(AB/PY)
F06a	20-11	0615	18677	Wed	File 64417 (binary contents)	FSK 200/1000	(AB)
F06a	20-11	0630	20889	Wed	File 64417 (binary contents)	FSK 200/1000	(AB)
F06a	20-11	0700	12177	Wed	File 44483 (binary contents)	FSK 200/1000	(AB)
F06a	20-11	0715	10156	Wed	File 44483 (binary contents)	FSK 200/1000	(AB)
F06a	20-11	0730	8138	Wed	File 44483 (binary contents)	FSK 200/1000	(AB)
F06a	20-11	1200	10231	Wed	File 44483 (binary contents)	FSK 200/1000	(AB)
F06a	20-11	1215	8082	Wed	File 44483 (binary contents)	FSK 200/1000	(AB)
F06a	20-11	1230	6869	Wed	File 44483 (binary contents)	FSK 200/1000	(AB)
F06a	21-11	0100	17532	Thu	File ZFD_37 (1536 bytes) 44444 09501 00000 20037 00009	FSK 200/1000	(PY)
F06a	21-11	0600	16274	Thu	File 64417 (binary contents)	FSK 200/1000	(AB/PY)
F06a	21-11	0615	18677	Thu	File 64417 (binary contents)	FSK 200/1000	(AB)
F06a	21-11	0630	20889	Thu	File 64417 (binary contents)	FSK 200/1000	(AB)
F06a	23-11	1525	5913	Sat	File_KI799~1.TLG (1556 bytes). Header: 11100 79993 26317 23034 02519 (interruptions in modulation)	FSK 200/1000	(PY)
F06a	23-11	1535	7992	Sat	File_KI799~1.TLG (1556 bytes). Header: 11100 79993 26317 23034 02519 (interruptions in modulation)	FSK 200/1000	(PY)
F06a	23-11	1545	10687	Sat	File_KI799~1.TLG (1556 bytes). Header: 11100 79993 26317 23034 02519 (interruptions in modulation)	FSK 200/1000	(PY)
F06a	25-11	0700	12177	Mon	File 44483 (binary contents)	FSK 200/1000	(AB)
F06a	25-11	0715	10156	Mon	File 44483 (binary contents)	FSK 200/1000	(AB)
F06a	25-11	0730	8138	Mon	File 44483 (binary contents)	FSK 200/1000	(AB)

F06a	25-11	1200	10231	Mon	File 44483 (binary contents)	FSK 200/1000	(AB)
F06a	25-11	1215	8082	Mon	File 44483 (binary contents)	FSK 200/1000	(AB)
F06a	25-11	1230	6869	Mon	File 44483 (binary contents)	FSK 200/1000	(AB)
F06a	26-11	1900	6923	Tue	File 44495 (1718 bytes, binary contents, empty text header)	FSK 200/1000	(PY)
F06a	26-11	1915	4612	Tue	File 44495 (1718 bytes, binary contents, empty text header)	FSK 200/1000	(PY)
F06a	26-11	1930	3735	Tue	File 44495 (1718 bytes, binary contents, empty text header)	FSK 200/1000	(PY)
F06a	27-11	0100	17532	Wed	File ZFD_38 (1536 bytes). Header: 44400 09501 00000 27038 00009	FSK 200/1000	(PY)
F06a	27-11	0115	16351	Wed	File ZFD_38 (1536 bytes). Header: 44400 09501 00000 27038 00009	FSK 200/1000	(PY)
F06a	27-11	0400	11122	Wed	File 44495 (1718 bytes, binary contents, empty text header)	FSK 200/1000	(PY)
F06a	27-11	0415	9067	Wed	File 44495 (1718 bytes, binary contents, empty text header)	FSK 200/1000	(PY)
F06a	27-11	0430	6791	Wed	File 44495 (1718 bytes, binary contents, empty text header)	FSK 200/1000	(PY)
F06a	27-11	0600	16274	Wed	File 42418 (binary contents)	FSK 200/1000	(AB/PY)
F06a	27-11	0615	18677	Wed	File 42418 (binary contents)	FSK 200/1000	(AB)
F06a	27-11	0630	20889	Wed	File 42418 (binary contents)	FSK 200/1000	(AB)
F06a	27-11	0700	12177	Wed	File 44488 (binary contents)	FSK 200/1000	(AB)
F06a	27-11	0710	5089	Wed	File 04463 (2013 bytes, binary contents) interruptions in modulation	FSK 200/1000	(PY)
F06a	27-11	0715	10156	Wed	File 44488 (binary contents)	FSK 200/1000	(AB)
F06a	27-11	0725	7337	Wed	File 04463 (2013 bytes, binary contents) interruptions in modulation	FSK 200/1000	(PY)
F06a	27-11	0730	8138	Wed	File 44488 (binary contents)	FSK 200/1000	(AB)
F06a	27-11	0740	9481	Wed	File 04463 (2013 bytes, binary contents) interruptions in modulation	FSK 200/1000	(PY)
F06a	27-11	1200	10231	Wed	File 44488 (binary contents)	FSK 200/1000	(AB)
F06a	27-11	1215	8082	Wed	File 44488 (binary contents)	FSK 200/1000	(AB)
F06a	27-11	1230	6869	Wed	File 44488 (binary contents)	FSK 200/1000	(AB)
F06a	28-11	0100	17532	Thu	File ZFD_38 (1536 bytes). Header: 44400 09501 00000 27038 00009	FSK 200/1000	(PY)
F06a	28-11	0600	16274	Thu	File 42418 (binary contents)	FSK 200/1000	(AB/Py)
F06a	28-11	0615	18677	Thu	File 42418 (binary contents)	FSK 200/1000	(AB)
F06a	28-11	0630	20889	Thu	File 42418 (binary contents)	FSK 200/1000	(AB)
F06a	28-11	1900	6923	Thu	File 44496 (1853 bytes, binary contents, empty text header)	FSK 200/1000	(PY)
F06a	28-11	1915	4612	Thu	File 44496 (1853 bytes, binary contents, empty text header)	FSK 200/1000	(PY)
F06a	28-11	1930	3735	Thu	File 44496 (1853 bytes, binary contents, empty text header)	FSK 200/1000	(PY)
F06a	29-11	0400	11122	Fri	File 44496 (1853 bytes, binary contents, empty text header)	FSK 200/1000	(PY)
F06a	29-11	0415	9067	Fri	File 44496 (1853 bytes, binary contents, empty text header)	FSK 200/1000	(PY)
F06a	29-11	0430	6791	Fri	File 44496 (1853 bytes, binary contents, empty text header)	FSK 200/1000	(PY)
F06a	29-11	2000	6781	Fri	File 04436 (3139 bytes, binary contents)	FSK 200/1000	(PY)
F06a	29-11	2015	5267	Fri	File 04436 (3139 bytes, binary contents)	FSK 200/1000	(PY)
F06a	29-11	2030	4645	Fri	File 04436 (3139 bytes, binary contents)	FSK 200/1000	(PY)
F06a	30-11	0700	14840	Sat	File 04436 (3139 bytes, binary contents)	FSK 200/1000	(PY)
F06a	30-11	0715	13859	Sat	File 04436 (3139 bytes, binary contents)	FSK 200/1000	(PY)
F06a	30-11	0730	12079	Sat	File 04436 (3139 bytes, binary contents)	FSK 200/1000	(PY)
F07	5-11	2100	8182	Tue	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
F07	5-11	2110	7856	Tue	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
F07	5-11	2120	7541	Tue	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
F07	5-11	2130	6992	Tue	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)

[illegible]

F07	28-11	2150	5818	Thu	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
G06	11-11	1124	9463	Mon	Windows XP startup system sound	USB	(PY)
G06	11-11	1150	9463	Mon	801 963 52 12876 20071 81151 ... 17509 28067 62890 963 52 00000	USB	(PY)
M01	2-11	1500	5810	Sat	197 383 383 30 30 = = 91243 99342 00453 ... 88123 88453 77231 = = 383 383 30 30 000	CW	(AB-FIN/HFD)
M01	3-11	0700	5465	Sun	197 445 445 30 30 = = 73482 99453 00123 ... 74536 02541 73546 = = 445 445 30 30 000	CW	(AB-FIN/HFD)
M01	5-11	2000	4490	Tue	197 215 215 30 30 = = 15367 92635 27347 ... 34156 34278 59067 = = 215 215 30 30 000	CW	(AB/HFD)
M01	7-11	2000	4490	Thu	197 876 876 30 30 = = 57395 49194 59104 ... 38491 48357 18394 = = 876 876 30 30 000	CW	(AB/HFD)
M01	10-11	0700	5465	Sun	197 313 313 30 30 = = 76859 57431 12377 ... 75642 74531 75499 = = 313 313 30 30 000	CW	(AB-FIN)
M01	12-11	1800	5320	Tue	197 732 732 30 30 = = 13267 04527 25378 ... 49052 34127 35876 = = 732 732 30 30 000	CW	(AB/RL-HOL)
M01	12-11	2000	4490	Tue	197 616 616 30 30 = = 24189 35247 45289 ... 45638 64573 91827 = = 616 616 30 30 000	CW	(AB-S)
M01	16-11	1500	5810	Sat	197 465 465 30 30 = = 75643 56475 64758 ... 87465 78465 76538 = = 465 0 465 30 30 000	CW	(AB)
M01	17-11	0659	5465	Sun	197 281 281 30 30 = = 75648 85769 76534 ... 62534 84756 02938 = = 281 281 30 30 000	CW	(AB-FIN)
M01	19-11	1800	5320	Tue	197 412 412 30 30 = = 64537 65748 07968 ... 412 412 30 30 000	CW	(AB-S)
M01	19-11	2000	4490	Tue	197 753 753 30 30 = = 84758 76896 81726 ... 28374 58394 85746 = = 753 753 30 30 000	CW	(AB)
M01	23-11	1500	5810	Sat	197 713 713 30 30 = = 91734 58104 86978 ... 10573 49163 59377 = = 713 713 30 30 000	CW	(AB)
M01	24-11	0700	5465	Sun	197 825 825 30 30 34936 58105 38159 ... 35182 47193 17335 825 825 30 30 000	CW	(AB-FIN)
M01	26-11	1800	5320	Tue	197 123 123 30 30 = = 48104 57184 39164 ...	CW	(AB-S)
M01	26-11	2000	4490	Tue	197 ... message (too weak to copy)	CW	(AB)
M01	28-11	1800	5320	Thu	197 898 898 30 30 38746 23983 10102 ... 78901 45615 45892 off (group 29 was not re-peated)	CW	(AB-FIN)
M01	28-11	2000	4490	Thu	197 099 099 30 30 30985 38723 33213 ... 23891 45900 34876 unreadable	CW	(AB)
M01	30-11	0715	9566	Sat	475 90183 EEE 163 163 50 50 = = 90183 0 EE 90183 47568 EEE 90183 19601 ... 00183 20123 99112 = = 163 163 50 50 000	CW/USB	(PY)
M01	30-11	1500	5810	Sat	197 345 345 30 30 = = 35684 56894 56892 ... 58462 47568 58614 = = 345 345 30 30 000	CW	(AB-S)
M12	1-11	2000	6917	Fri	981 981 981 1 2672 85 2672 85 07877 35482 67340 ... 43272 11018 96719 000 000	CW	(AB/HFD)
M12	1-11	2020	5817	Fri	981 981 981 1 2672 85 2672 85 07877 35482 67340 ... 43272 11018 96719 000 000	CW	(AB/HFD)
M12	1-11	2040	5117	Fri	981 981 981 1 2672 85 2672 85 07877 35482 67340 ... 43272 11018 96719 000 000	CW	(AB/HFD)
M12	1-11	2200	6859	Fri	849 849 849 1 6095 103 6095 103 52300 58219 52770 ... 27978 11878 50394 000 000	CW	(AB/HFD)
M12	1-11	2220	7459	Fri	849 849 849 1 6095 103 6095 103 52300 58219 52770 ... 27978 11878 50394 000 000	CW	(AB/HFD)
M12	1-11	2240	7959	Fri	849 849 849 1 6095 103 6095 103 52300 58219 52770 ... 27978 11878 50394 000 000	CW	(AB/HFD)
M12	2-11	2200	6859	Sat	849 849 849 1 6095 103 6095 103 52300 58219 52770 ... 27978 11878 50394 000 000	CW	(AB)
M12	2-11	2220	7459	Sat	849 849 849 1 6095 103 6095 103 52300 58219 52770 ... 27978 11878 50394 000 000	CW	(AB)
M12	2-11	2240	7959	Sat	849 849 849 1 6095 103 6095 103 52300 58219 52770 ... 27978 11878 50394 000 000	CW	(AB)
M12	3-11	2310	13373	Sun	312 312 312 1 354 127 354 17 77404 39864 85782 ... 52896 50745 99709 000 000	CW	(HFD)
M12	3-11	2330	12173	Sun	312 312 312 1 354 127 354 17 77404 39864 85782 ... 52896 50745 99709 000 000	CW	(HFD)
M12	3-11	2340	7946	Sun	392 392 392 1 3579 59 3579 59 61968 93292 53692 ... 02255 40929 29418 000 000	CW	(AB)
M12	3-11	2350	10273	Sun	312 312 312 1 354 127 354 17 77404 39864 85782 ... 52896 50745 99709 000 000	CW	(RL/HFD)
M12	4-11	0010	16275	Mon	296 296 296 1 ...	CW	(HFD-J)
M12	4-11	0030	15975	Mon	296 296 296 1 ...	CW	(HFD-J)
M12	4-11	0050	14675	Mon	296 296 296 1 ...	CW	(HFD-J)
M12	4-11	2300	10446	Mon	392 392 392 1 ...	CW	(HFD)
M12	4-11	2320	9046	Mon	392 392 392 1 ...	CW	(HFD)
M12	4-11	2340	7946	Mon	392 392 392 1 ...	CW	(HFD)

M12	5-11	0300	16184	Tue	174 174 174 1 ...	CW	(HFD-J)
M12	5-11	0320	14784	Tue	174 174 174 1 ...	CW	(HFD-J)
M12	5-11	0340	13484	Tue	174 174 174 1 ...	CW	(HFD-J)
M12	5-11	1100	11519	Tue	289 289 289 1 55 8086 54 8086 54 12717 47198 05619 ... 91706 47716 98531 000 000	CW	(AB/HFD)
M12	5-11	1120	12194	Tue	289 289 289 1 55 8086 54 8086 54 12717 47198 05619 ... 91706 47716 98531 000 000	CW	(AB/HFD)
M12	5-11	1140	13407	Tue	289 289 289 1 55 8086 54 8086 54 12717 47198 05619 ... 91706 47716 98531 000 000	CW	(AB/HFD)
M12	6-11	2000	6917	Wed	981 981 981 000	CW	(AB)
M12	6-11	2020	5817	Wed	981 981 981 000	CW	(AB)
M12	7-11	1800	11435	Thu	938 938 938 1 7657 57 7657 57 40354 56316 29807 ... 17598 48625 20945 000 000	CW	(AB/HFD)
M12	7-11	1820	10598	Thu	938 938 938 1 7657 57 7657 57 40354 56316 29807 ... 17598 48625 20945 000 000	CW	(AB/HFD)
M12	7-11	1840	9327	Thu	938 938 938 1 7657 57 7657 57 40354 56316 29807 ... 17598 48625 20945 000 000	CW	(AB/HFD)
M12	8-11	2000	6917	Fri	981 981 981 000	CW	(AB)
M12	8-11	2020	5817	Fri	981 981 981 000	CW	(AB)
M12	8-11	2200	6859	Fri	849 849 849 1 6095 103 6095 103 52300 58219 52770 ... 27978 11878 50394 000 000	CW	(AB)
M12	8-11	2220	7459	Fri	849 849 849 1 6095 103 6095 103 52300 58219 52770 ... 27978 11878 50394 000 000	CW	(AB)
M12	8-11	2240	7959	Fri	849 849 849 1 6095 103 6095 103 52300 58219 52770 ... 27978 11878 50394 000 000	CW	(AB)
M12	9-11	2200	6859	Sat	849 849 849 1 6095 103 6095 103 52300 58219 52770 ... 27978 11878 50394 000 000	CW	(AB)
M12	9-11	2220	7459	Sat	849 849 849 1 6095 103 6095 103 52300 58219 52770 ... 27978 11878 50394 000 000	CW	(AB)
M12	9-11	2240	7959	Sat	849 849 849 1 6095 103 6095 103 52300 58219 52770 ... 27978 11878 50394 000 000	CW	(AB)
M12	10-11	2310	13373	Sun	312 312 312 1 218 119 218 119 54155 13761 53497 ... 51726 29291 49222 000 000	CW	(RL-HOL)
M12	10-11	2330	12173	Sun	312 312 312 1 218 119 218 119 54155 13761 53497 ... 51726 29291 49222 000 000	CW	(RL-HOL)
M12	10-11	2350	10273	Sun	312 312 312 1 218 119 218 119 54155 13761 53497 ... 51726 29291 49222 000 000	CW	(RL-HOL)
M12	11-11	2300	10446	Mon	392 392 392 000	CW	(AB/RL-HOL)
M12	11-11	2320	9046	Mon	392 392 392 000	CW	(AB/RL-HOL)
M12	12-11	1100	11519	Tue	289 289 289 1 5260 58 5260 58 13792 34538 53306 ... 65893 46031 06676 000 000	CW	(AB)
M12	12-11	1120	12194	Tue	289 289 289 1 5260 58 5260 58 13792 34538 53306 ... 65893 46031 06676 000 000	CW	(AB)
M12	12-11	1140	13407	Tue	289 289 289 1 5260 58 5260 58 13792 34538 53306 ... 65893 46031 06676 000 000	CW	(AB/RL-HOL)
M12	13-11	2000	6917	Wed	981 981 981 1 684 43 684 43 03334 58472 24930 ... 35023 37435 90740 000 000	CW	(AB/RL-FIN)
M12	13-11	2020	5817	Wed	981 981 981 1 684 43 684 43 03334 58472 24930 ... 35023 37435 90740 000 000	CW	(AB)
M12	13-11	2040	5117	Wed	981 981 981 1 684 43 684 43 03334 58472 24930 ... 35023 37435 90740 000 000	CW	(AB/RL-FIN)
M12	14-11	1800	11435	Thu	938 938 938 1 6362 84 6362 84 57888 91852 38426 ... 62170 60852 81237 000 000	CW	(AB/RL-HOL)
M12	14-11	1820	10598	Thu	938 938 938 1 6362 84 6362 84 57888 91852 38426 ... 62170 60852 81237 000 000	CW	(AB/RL-HOL)
M12	14-11	1840	9327	Thu	938 938 938 1 6362 84 6362 84 57888 91852 38426 ... 62170 60852 81237 000 000	CW	(AB)
M12	14-11	2300	10446	Thu	392 392 392 000	CW	(RL-HOL)
M12	14-11	2320	9046	Thu	392 392 392 000	CW	(RL-HOL)
M12	15-11	2000	6917	Fri	981 981 981 1 684 43 684 43 03334 58472 24930 ... 35023 37435 90740 000 000	CW	(AB/RL-HOL)
M12	15-11	2020	5817	Fri	981 981 981 1 684 43 684 43 03334 58472 24930 ... 35023 37435 90740 000 000	CW	(AB)
M12	15-11	2040	5117	Fri	981 981 981 1 684 43 684 43 03334 58472 24930 ... 35023 37435 90740 000 000	CW	(AB)
M12	15-11	2200	6859	Fri	849 849 849 000	CW	(AB/RL-HOL)
M12	15-11	2220	7459	Fri	849 849 849 000	CW	(AB)
M12	16-11	2200	6859	Sat	849 849 849 000	CW	(AB)
M12	16-11	2220	7459	Sat	849 849 849 000	CW	(AB)
M12	19-11	1100	11519	Tue	289 289 289 1 5219 59 5219 59 47896 64780 52727 ... 34151 91560 80248 000 000	CW	(AB)

M12	19-11	1120	12194	Tue	289 289 289 1 5219 59 5219 59 47896 64780 52727 ... 34151 91560 80248 000 000	CW	(AB)
M12	19-11	1140	13407	Tue	289 289 289 1 5219 59 5219 59 47896 64780 52727 ... 34151 91560 80248 000 000	CW	(AB)
M12	20-11	2000	6917	Wed	981 981 981 000	CW	(AB)
M12	20-11	2000	6917	Wed	981 981 981 1 684 43 684 43 03334 58472 24930 ... 35023 37435 90740 000 000	CW	(AB/RL-HOL)
M12	20-11	2020	5817	Wed	981 981 981 000	CW	(AB)
M12	20-11	2020	5817	Wed	981 981 981 1 684 43 684 43 03334 58472 24930 ... 35023 37435 90740 000 000	CW	(AB/RL-HOL)
M12	20-11	2040	5117	Wed	981 981 981 1 684 43 684 43 03334 58472 24930 ... 35023 37435 90740 000 000	CW	(AB/RL-HOL)
M12	21-11	1800	11435	Thu	938 938 938 1 8012 84 8012 54 73268 34064 28942 ... 52841 71934 72165 000 000	CW	(AB)
M12	21-11	1820	10598	Thu	938 938 938 1 8012 84 8012 54 73268 34064 28942 ... 52841 71934 72165 000 000	CW	(AB)
M12	21-11	1840	9327	Thu	938 938 938 1 8012 84 8012 54 73268 34064 28942 ... 52841 71934 72165 000 000	CW	(AB)
M12	21-11	2300	10446	Thu	392 392 392 1 3579 59 3579 59 61968 93292 53692 ... 02255 40929 29418 000 000	CW	(AB)
M12	21-11	2320	9046	Thu	392 392 392 1 3579 59 3579 59 61968 93292 53692 ... 02255 40929 29418 000 000	CW	(AB)
M12	22-11	2000	6917	Fri	981 981 981 1 684 43 684 43 03334 58472 24930 ... 35023 37435 90740 000 000	CW	(AB)
M12	22-11	2020	5817	Fri	981 981 981 1 684 43 684 43 03334 58472 24930 ... 35023 37435 90740 000 000	CW	(AB)
M12	22-11	2040	5117	Fri	981 981 981 1 684 43 684 43 03334 58472 24930 ... 35023 37435 90740 000 000	CW	(AB)
M12	22-11	2200	6859	Fri	849 849 849 1 4298 77 4298 77 18055 19222 06922 ... 81064 38340 70364 000 000	CW	(AB)
M12	22-11	2220	7459	Fri	849 849 849 1 4298 77 4298 77 18055 19222 06922 ... 81064 38340 70364 000 000	CW	(AB)
M12	22-11	2240	7959	Fri	849 849 849 1 4298 77 4298 77 18055 19222 06922 ... 81064 38340 70364 000 000	CW	(AB)
M12	23-11	2200	6859	Sat	849 849 849 1 4298 77 4298 77 18055 19222 06922 ... 81064 38340 70364 000 000	CW	(AB)
M12	23-11	2220	7459	Sat	849 849 849 1 4298 77 4298 77 18055 19222 06922 ... 81064 38340 70364 000 000	CW	(AB)
M12	23-11	2240	7959	Sat	849 849 849 1 4298 77 4298 77 18055 19222 06922 ... 81064 38340 70364 000 000	CW	(AB)
M12	26-11	1100	11519	Tue	289 289 289 1 7118 61 7118 61 99404 14780 37359 ... 90741 22060 20498 06732 000 000	CW	(AB)
M12	26-11	1120	12194	Tue	289 289 289 1 7118 61 7118 61 99404 14780 37359 ... 90741 22060 20498 06732 000 000	CW	(AB)
M12	26-11	1140	13407	Tue	289 289 289 1 7118 61 7118 61 99404 14780 37359 ... 90741 22060 20498 06732 000 000	CW	(AB)
M12	28-11	1800	11435	Thu	938 938 938 1 1367 75 1367 75 90232 76325 02726 ... 69938 20000 15191 000 000	CW	(AB)
M12	28-11	1820	10598	Thu	938 938 938 1 1367 75 1367 75 90232 76325 02726 ... 69938 20000 15191 000 000	CW	(AB)
M12	28-11	1840	9327	Thu	938 938 938 1 1367 75 1367 75 90232 76325 02726 ... 69938 20000 15191 000 000	CW	(AB)
M12	29-11	2000	6917	Fri	981 981 981 000	CW	(AB/RL-HOL)
M12	29-11	2020	5817	Fri	981 981 981 000	CW	(AB/RL-HOL)
M12	29-11	2200	6859	Fri	849 849 849 000	CW	(AB/RL-HOL)
M12	29-11	2220	7459	Fri	849 849 849 000	CW	(AB)
M12	30-11	2200	6859	Sat	849 849 849 000	CW	(AB)
M12	30-11	2220	7459	Sat	849 849 849 000	CW	(AB)
M14	1-11	0500	12211	Fri	952 952 952 00000	CW	(HFD-J)
M14	1-11	0520	10243	Fri	952 952 952 00000	CW	(HFD-J)
M14	9-11	1221	9463	Sat	Three series of fast beeps	CW	(PY)
M14	9-11	1240	9463	Sat	801 643 643 52 52 = = 43086 79250 23363 ... 10417 32905 79391 = = 643 643 52 52 00000	CW	(PY)
M14	11-11	0830	10755	Mon	Two series of fast beeps	CW	(PY)
M14	11-11	0850	10755	Mon	975 432 432 60 60 = = 28117 56514 14229 ... 66069 83748 32694 = = 432 432 60 60 00000	CW	(PY)
M14	11-11	1350	11073	Mon	352 918 918 60 60 = = 85137 32563 82944 ... 85640 59614 56706 = = 918 918 60 60 00000	CW	(PY)
M14d	18-11	1455	9463	Mon	Two series of fast beeps	CW	(PY)
M14d	18-11	1510	9463	Mon	801 38649 754 754 32 32 = = 09752 58739 47796 69572 ... 23610 79990 438 [rest un-readable] = = 754 754 32 32 00000	CW	(PY)

M14d	20-11	0913	10755	Wed	Slow beeps	CW	(PY)
M14d	20-11	0917	10755	Wed	Two series of fast beeps	CW	(PY)
M14d	20-11	0935	10755	Wed	975 24613 180 180 36 36 = = 11325 73807 67620 08462 ... 12149 16003 45475 = = 180 180 36 36 00000	CW	(PY)
M21	1-11	1456	4171	Fri	=991756??8????? =991757??8????? =991758??8????? //5397 kHz	CW	(F5JBR)
M21	1-11	1456	5397	Fri	=991756??8????? =991757??8????? =991758??8????? //4171 kHz	CW	(F5JBR)
M21	3-11	0842	5397	Sun	=991143??8?????	CW	(TJ)
M21	3-11	1014	8747	Sun	=99?1312?9????? =99?1315?9????? =99?1318?9?????	CW	(F5JBR)
M21	4-11	2020	6999	Mon	441 3988 2812752 32 / 218 3088 2812754 3100 900 33 / 727 3088 2812567 34 ...	CW	(WN)
M21	8-11	1755	3185	Fri	Russian Air Defence	CW	(F5JBR)
M21	8-11	2002	6999	Fri	CQ CQ CQ 3014 2850753 3100 900 417 R 441 4027 2810792 06 ...	CW	(WN)
M22	2-11	2110	4331	Sat	i.p. VVV DE 4XZ 4XZ = = AR NW QTC 1 NR 53 = = NR 53 AG V BA6K 10220 IE3O GR 91 = = IOIOI WJGRJ MMBZD ... TORKD KZRNY OJGRJ = =	CW	(AB)
M23	1-11	0359	6937	Fri	15081769 (R15m45s)	CW	(AB)
M23	1-11	0859	10916	Fri	50505 55550 05550 05500 55005 (R18m15s)	CW	(AB)
M23	1-11	1159	14930	Fri	15081769 (R15m51s)	CW	(AB)
M23	1-11	2259	4822	Fri	50505 55550 05550 05500 55005 (R17m)	CW	(AB)
M23	2-11	0359	6937	Sat	15081769 (R15m44s)	CW	(AB)
M23	2-11	0859	10916	Sat	50505 55550 05550 05500 55005 (R18m16s)	CW	(AB)
M23	2-11	1159	14930	Sat	15081769 (R15m44s)	CW	(AB)
M23	2-11	2259	4822	Sat	50505 55550 05550 05500 55005 (R17m)	CW	(AB)
M23	3-11	0359	6937	Sun	15081769 (R15m44s)	CW	(AB)
M23	3-11	0859	10916	Sun	50505 55550 05550 05500 55005 (R18m16s)	CW	(AB/TJ)
M23	3-11	1159	14930	Sun	15081769 (R15m44s)	CW	(AB)
M23	3-11	2259	4822	Sun	50505 55550 05550 05500 55005 (R17m)	CW	(AB)
M23	4-11	0359	6937	Mon	15081769 (R15m44s)	CW	(AB)
M23	4-11	0859	10916	Mon	50505 55550 05550 05500 55005 (R18m16s)	CW	(AB)
M23	4-11	1159	14930	Mon	15081769 (R15m47s)	CW	(AB)
M23	4-11	2259	4822	Mon	50505 55550 05550 05500 55005 (R17m)	CW	(AB)
M23	5-11	0359	6937	Tue	15081769 (R15m44s)	CW	(AB)
M23	6-11	1159	14930	Wed	15081769 (R15m44s)	CW	(AB)
M23	6-11	2259	4822	Wed	50505 55550 05550 05500 55005 (R17m)	CW	(AB)
M23	7-11	0359	6937	Thu	15081769 (R15m45s)	CW	(AB)
M23	7-11	1159	14930	Thu	No regular transmission. End of message tone was sent at 1208z	CW	(AB)
M41	11-11	1331	11073	Mon	Two series of fast beeps	CW	(PY)
M42	1-11	1008	16302	Fri	Russian diplo	Serdolik v2	(RO)
M42	3-11	0731	16315	Sun	Russian diplo. Selcal	Serdolik v2	(RO)
M42	3-11	0733	21824	Sun	Russian diplo. Selcal	Serdolik v2	(RO)
M42	3-11	0734	16315	Sun	Russian diplo. Selcal	Serdolik v2	(RO)
M42	3-11	0735	14474	Sun	Russian diplo. Selcal	Serdolik v2	(RO)
M42	3-11	0736	21824	Sun	Russian diplo. Selcal	Serdolik v2	(RO)
M42	3-11	0758	17534	Sun	MFA Moscow clg 351264: Russian embassy Abu Dhabi	MFSK-6	(RO)
M42	3-11	0918	20844	Sun	Russian diplo	MFSK-66	(RO)

M42	3-11	0931	18197	Sun	MFA Moscow clg 645321: Russian Consulate General Ho Chi Minh City	MFSK-6	(RO)
M42	3-11	0945	17479	Sun	Russian diplo	MFSK-66	(RO)
M42	3-11	1329	20627	Sun	MFA Moscow clg 436512: Russian embassy Harare	MFSK-6	(RO)
M42	5-11	0940	14356	Tue	Russian diplo	MFSK-66	(AB)
M42	6-11	1250	11453	Wed	Russian diplo	MFSK-66	(AB)
M42	7-11	0720	18945	Thu	Russian Diplo	Perelivt PSK8	(RL)
M42	7-11	1310	18751	Thu	Russian Diplo	Perelivt PSK8	(RL)
M42	8-11	1359	18230	Fri	Russian diplo. Test	Serdolik v2	(AB)
M42	8-11	1409	18230	Fri	Russian diplo	Serdolik v2	(AB)
M42	13-11	1052	18312	Wed	Russian diplo	OFDM-112	(RL)
M42	14-11	0810	18221	Thu	Russian diplo	Serdolik v2	(RL)
M42	14-11	1300	16156	Thu	UAL: MFA Moscow wkg UAG: Russian embassy Havana. Opchat and message 11100 70103 85217 14155 04009	FSK CW + FSK 100/500	(AB)
M42	14-11	1318	18726	Thu	UAG: Russian embassy Havana wkg UAL: MFA Moscow. Message 11177 701_0 12472 14157 04003 i.p.	FSK CW + FSK 75/500	(AB)
M42	15-11	0703	18654	Fri	Russian diplo	OFDM-121	(RL)
M42	15-11	0815	14826	Fri	Russian diplo. Selcal	Serdolik v2	(AB)
M42	15-11	0817	14826	Fri	Russian diplo	Serdolik v2	(AB)
M42	15-11	0847	14828	Fri	Russian diplo	Serdolik v2	(AB)
M42	15-11	0911	18326	Fri	Russian diplo	OFDM-121	(RL)
M42	15-11	1015	16302	Fri	Russian diplo	Serdolik v2	(AB)
M42	18-11	0800	12226	Mon	Russian diplo	MFSK-66	(AB)
M42	18-11	0826	14878	Mon	Russian diplo	MFSK-66	(AB)
M42	18-11	0846	12146	Mon	Russian diplo	MFSK-66	(AB/RO)
M42	19-11	0932	14801	Tue	Russian diplo	MFSK-66	(AB/RO)
M42	20-11	0842	14452	Wed	Russian diplo	Serdolik v2	(AB)
M42	20-11	1227	16110	Wed	Russian diplo	MFSK-66	(AB)
M42	20-11	1310	18293	Wed	Russian diplo	OFDM-112	(RL)
M42	20-11	1318	19112	Wed	Russian diplo. Selcal	Serdolik v2	(AB)
M42	20-11	1321	18662	Wed	Russian diplo. Selcal	Serdolik v2	(AB)
M42	20-11	1322	19112	Wed	Russian diplo. Selcal	Serdolik v2	(AB)
M42	20-11	1324	18662	Wed	Russian diplo. Selcal	Serdolik v2	(AB)
M42	20-11	1325	19112	Wed	Russian diplo. Selcal	Serdolik v2	(AB)
M42	20-11	1329	19110	Wed	Russian diplo. Test	Serdolik v2	(AB)
M42	20-11	1330	16112	Wed	Russian diplo	Serdolik v2	(AB)
M42	20-11	1335	19112	Wed	Russian diplo. Selcal	Serdolik v2	(AB)
M42	20-11	1336	19110	Wed	Russian diplo.	Serdolik v2	(AB)
M42	20-11	1349	16112	Wed	Russian diplo. Selcal	Serdolik v2	(AB)
M42	20-11	1349	19110	Wed	Russian diplo. Test	Serdolik v2	(AB)
M42	21-11	0738	16313	Thu	Russian diplo. Test	Serdolik v2	(AB/RO)
M42	21-11	0741	14473	Thu	Russian diplo. Test	Serdolik v2	(AB)
M42	21-11	0742	16313	Thu	Russian diplo. Test	Serdolik v2	(AB/RO)
M42	21-11	0745	14473	Thu	Russian diplo. Test	Serdolik v2	(AB/RO)

M42	21-11	0746	16313	Thu	Russian diplo. Test	Serdolik v2	(AB/RO)
M42	21-11	0944	17577	Thu	Russian diplo	MFSK-66	(AB)
M42	21-11	1302	16156	Thu	UAL: MFA Moscow wkg UAG: Russian embassy Havana i.p. Opchat and message 11100 70103 32178 21160 04009	FSK CW + FSK 100/500	(AB)
M42	21-11	1302	18726	Thu	UAG: Russian embassy Havana wkg UAL: MFA Moscow i.p. Opchat + message in progress	FSK CW + FSK 75/500	(AB)
M42	21-11	1544	15883	Thu	Russian diplo	MFSK-66	(AB)
M42	22-11	0941	13471	Fri	Russian intel.	MFSK-66	(AB)
M42	22-11	1022	18711	Fri	Russian intel.	MFSK-66	(AB)
M42	22-11	1443	16138	Fri	Russian intel.	MFSK-66	(AB)
M42	23-11	0843	19112	Sat	Russian diplo. Selcal	Serdolik v2	(AB)
M42	23-11	0846	19110	Sat	Russian diplo	Serdolik v2	(AB)
M42	23-11	0852	19112	Sat	Russian diplo. Selcal	Serdolik v2	(AB)
M42	23-11	0858	19112	Sat	Russian diplo. Selcal	Serdolik v2	(AB)
M42	23-11	0902	19110	Sat	Russian diplo. Test	Serdolik v2	(AB)
M42	23-11	0906	19112	Sat	Russian diplo. Selcal	Serdolik v2	(AB)
M42	23-11	0910	19110	Sat	Russian diplo. Test	Serdolik v2	(AB)
M42	27-11	0818	14515	Wed	Russian diplo	MFSK-66	(AB)
M42	27-11	0828	11164	Wed	Russian diplo	MFSK-66	(AB)
M42	27-11	0854	11153	Wed	Russian diplo. Selcal	Serdolik v2	(AB)
M42	27-11	0855	11154	Wed	Russian diplo	Serdolik v2	(AB)
M42	27-11	0903	10239	Wed	Russian diplo	Serdolik v2	(RO)
M42	27-11	0904	11154	Wed	Russian diplo	Serdolik v2	(RO)
M42	28-11	1300	16156	Thu	UAL: MFA Moscow wkg UAG: Russian embassy Havana i.p. Opchat and message 11100 70103 13467 28165 04009	FSK CW + FSK 75/500	(AB/MCO)
M42	28-11	1300	18726	Thu	UAG: Russian embassy Havana wkg UAL: MFA Moscow i.p. Opchat and message 11100 70103 59874 28167 04003	FSK CW + FSK 75/500	(MCO)
M42b	1-11	1535	5469	Fri	CDAP CDAP CDAP DE AIFH AIFH K. Header: 654 100 01 1525 1357 =	CW + FSK 50/500	(AB/F5JBR)
M42b	2-11	1535	5469	Sat	CDAP CDAP CDAP DE AIFH AIFH K. Header: 656 100 02 1525 1357 =	CW + FSK 50/500	(AB)
M42b	3-11	1535	5469	Sun	CDAP CDAP CDAP DE AIFH AIFH K. Header: 658 100 03 1540 1357 =	CW + FSK 50/140 and 50/500	(AB)
M42b	4-11	1535	5931	Mon	AIFH AIFH AIFH DE CDAP CDAP K. Header: 660 100 04 1525 1357 =	CW + FSK 50/500	(AB)
M42b	5-11	1535	5469	Tue	CDAP CDAP CDAP DE AIFH AIFH K	CW + FSK 50/500	(AB)
M42b	5-11	1535	5931	Tue	Header: 556 100 05 1535 2008 =	CW + FSK 50/500	(AB-POL)
M42b	6-11	1536	5469	Wed	CDAP CDAP CDAP DE AIFH AIFH K. Header 664 100 06 1525 1357=	CW + FSK 50/500	(AB)
M42b	7-11	1536	5469	Thu	CDAP CDAP CDAP DE AIFH AIFH K. Header: 666 100 07 1525 1357 =	CW + FSK 50/500	(AB)
M42b	8-11	1535	5931	Fri	AIFH AIFH AIFH DE CDAP CDAP K. Header: 717 100 8 1525 7593 =	CW + FSK 50/500	(AB-POL)
M42b	8-11	1536	5469	Fri	CDAP CDAP CDAP DE AIFH AIFH K. Header: 668 100 08 1525 1357 =	CW + FSK 50/500	(AB)
M42b	8-11	1620	4561	Fri	G3WM wkg SK8I. Header: 951 182 8 1700 4368 =	CW + FSK 50/500	(F5JBR)
M42b	8-11	1728	4816	Fri	DATZ wkg VFGK QSA NO QSY 71131 QSA NO QSY 72599 ZVP RTTY msg QRU NIL SK	CW + FSK 50/500	(F5JBR)
M42b	9-11	1536	5469	Sat	CDAP CDAP CDAP DE AIFH AIFH K. QSA NO QSY 94900 QSY 94900 K. Switched to an unknown frequency	CW	(AB)
M42b	10-11	0826	5742	Sun	ZFGU wkg BOPK. QSA NO QSY 84459	CW	(F5JBR)
M42b	10-11	0839	6821	Sun	ZFGU wkg BOPK. QSA NO QSY 67848. QSA NO SK SK	CW	(F5JBR)

M42b	10-11	1535	5931	Sun	AIFH AIFH AIFH DE CDAP CDAP K. Header: 665 100 10 1537 7033 =	CW + FSK 50/500	(AB-POL)
M42b	10-11	1536	5469	Sun	CDAP CDAP CDAP DE AIFH AIFH K. Header: 672 100 10 225 1357 =	CW + FSK 50/500	(AB)
M42b	11-11	1535	5469	Mon	CDAP CDAP CDAP DE AIFH AIFH K. Header 674 100 11 1525 1357=	CW + FSK 50/140 and 50/500	(AB)
M42b	12-11	1535	5469	Tue	CDAP CDAP CDAP DE AIFH AIFH K. Header: 678 100 12 1525 1357=	CW + FSK 50/500	(AB)
M42b	12-11	1535	5931	Tue	Header: 901 100 12 1535 6107 =	CW + FSK 50/500	(AB-POL)
M42b	13-11	1536	5469	Wed	CDAP CDAP CDAP DE AIFH AIFH K. Header: 680 100 13 1525 1357=	CW + FSK 50/500	(AB)
M42b	14-11	1536	5931	Thu	AIFH AIFH AIFH DE CDAP CDAP K. Switched to an unknown frequency	CW	(AB)
M42b	14-11	1536	5469	Thu	CDAP CDAP CDAP DE AIFH AIFH K. Header: 682 100 14 1525 1357=	CW + FSK 50/500	(AB/RL-HOL)
M42b	15-11	1535	5931	Fri	AIFH AIFH AIFH DE CDAP CDAP K (barely audible)	CW + FSK 50/500	(AB-POL)
M42b	16-11	1536	5469	Sat	CDAP CDAP CDAP DE AIFH AIFH K. QSA2 QSA? K. QTC1 ZZC ZVP K. RPT K. RYRYRYRY- RYRY 685 100 16 1525 1/ ++	CW + FSK 50/500	(AB)
M42b	16-11	1538	5931	Sat	ZVP K. ZVP K. BK QRV K. BK QRV K. ZVP K. ZVP K	CW	(AB)
M42b	17-11	1536	5469	Sun	CDAP CDAP CDAP DE AIFH AIFH K. Header: 688 100 17 1525 1357=	CW + FSK 50/500	(AB)
M42b	18-11	1535	5469	Mon	CDAP CDAP CDAP DE AIFH AIFH K. Header: 690 100 18 1525 1357=	CW + FSK 50/140 and 50/500	(AB)
M42b	19-11	1535	5469	Tue	CDAP CDAP CDAP DE AIFH AIFH K. Header: 692 100 19 1525 1357=	CW + FSK 50/500	(AB)
M42b	19-11	1535	5931	Tue	Active but too weak to copy	CW + FSK 50/500	(AB-POL)
M42b	20-11	1536	5469	Wed	CDAP CDAP CDAP DE AIFH AIFH K. Header: 694 100 20 1525 1357=	CW + FSK 50/500	(AB)
M42b	21-11	1535	5469	Thu	CDAP CDAP CDAP DE AIFH AIFH K. Header: 696 100 21 1525 1357=	CW + FSK 50/500	(AB)
M42b	22-11	1534	5469	Fri	CDAP CDAP CDAP DE AIFH AIFH K. Header: 698 100 22 1525 1357=	CW + FSK 50/500	(AB)
M42b	23-11	1536	5469	Sat	CDAP CDAP CDAP DE AIFH AIFH K. Header: 700 100 23 1525 1357=	CW + FSK 50/500	(AB)
M42b	24-11	1536	5469	Sun	CDAP CDAP CDAP DE AIFH AIFH K. Header: 702 100 24 1525 1357=	CW + FSK 50/500	(AB)
M42b	26-11	1535	5469	Tue	CDAP CDAP CDAP DE AIFH AIFH K. Header: 706 100 26 1525 1357=	CW + FSK 50/500	(AB)
M42b	27-11	1536	5469	Wed	CDAP CDAP CDAP DE AIFH AIFH K. Header: 708 100 27 1525 1357=	CW + FSK 50/500	(AB)
M42b	28-11	1535	5469	Thu	CDAP CDAP CDAP DE AIFH AIFH K. Header: 710 100 28 1525 1357=	CW + FSK 50/500	(AB)
M42b	29-11	1534	5469	Fri	CDAP CDAP CDAP DE AIFH AIFH K. Header: 712 100 29 1525 1357=	CW + FSK 50/500	(AB)
M42b	30-11	1530	5469	Sat	CDAP CDAP CDAP DE AIFH AIFH K. Header: 714 100 30 1525 1357=	CW + FSK 50/500	(AB)
M51b	10-11	2204	3881	Sun	FAV22: non-stop 5ch groups	CW	(RL-HOL)
M89	8-11	2130	3968	Fri	V YHxD YHxD YHxD DE SAQC SAQC (repeated) //6936 kHz	CW	(AB)
M89	8-11	2130	6936	Fri	V YHxD YHxD YHxD DE SAQC SAQC (repeated) //3968 kHz	CW	(AB)
M89	20-11	1638	4860	Wed	Q2M de NYZ VVV	CW	(F5JBR)
M89	27-11	1431	4104	Wed	V YHxD YHxD YHxD DE SAQC SAQC	CW	(TJ)
MC03	18-11	1710	5768	Mon	i.p. NR 7UN5 NDND TTA3 NR 6A6U 4736 TTA3 NR 3TA5 3DNA TTA3 NR 6A56 A576 TTA3	CW	(Pille)
MX	10-11	1428	16521	Sun	Beacon V	CW	(AB)
MX	21-11	2144	3657	Thu	Beacon V (fast version)	CW	(TJ)
MX	21-11	2144	5303	Thu	Beacon V (slow version)	CW	(TJ)
MX	25-11	0534	10872.3	Mon	Beacon K, Petropavlovsk-Kamtsjatski	CW	(TJ)
MX	25-11	0534	13528.3	Mon	Beacon K, Petropavlovsk-Kamtsjatski	CW	(TJ)
MX	25-11	0534	16332.4	Mon	Beacon M, Magadan	CW	(TJ)
MX	27-11	1230	11418	Wed	Marker P	CW	(AB)
P03	1-11	0530	5844	Fri	Polish intel.	PSK	(AB)
P03	1-11	0535	5844	Fri	Polish intel.	PSK	(AB)
P03	1-11	1100	6977	Fri	Polish intel.	PSK	(AB)

P03	1-11	1105	6977	Fri	Polish intel.	PSK	(AB)
P03	1-11	1515	18265	Fri	Polish intel.	PSK	(AB)
P03	1-11	1520	18265	Fri	Polish intel.	PSK	(AB)
P03	2-11	1020	5823	Sat	Polish intel.	USB	(AB)
P03	2-11	1025	5823	Sat	Polish intel.	USB	(AB)
P03	2-11	1245	7391	Sat	Polish intel.	PSK	(AB)
P03	2-11	1250	7391	Sat	Polish intel.	PSK	(AB)
P03	2-11	1310	6524	Sat	Polish intel.	PSK	(AB)
P03	2-11	1315	6524	Sat	Polish intel.	PSK	(AB)
P03	3-11	0530	5844	Sun	Polish intel.	PSK	(AB)
P03	3-11	0535	5844	Sun	Polish intel.	PSK	(AB)
P03	3-11	1020	5823	Sun	Polish intel.	USB	(AB)
P03	3-11	1025	5823	Sun	Polish intel.	USB	(AB)
P03	3-11	1100	6977	Sun	Polish intel.	PSK	(AB)
P03	3-11	1105	6977	Sun	Polish intel.	PSK	(AB)
P03	3-11	1220	21906	Sun	Polish intel.	PSK	(AB)
P03	3-11	1225	21906	Sun	Polish intel.	PSK	(AB)
P03	3-11	1245	7391	Sun	Polish intel.	PSK	(AB)
P03	3-11	1250	7391	Sun	Polish intel.	PSK	(AB)
P03	3-11	1515	18265	Sun	Polish intel.	PSK	(AB)
P03	3-11	1520	18265	Sun	Polish intel.	PSK	(AB)
P03	3-11	1725	10728	Sun	Polish intel.	PSK	(AB)
P03	3-11	1730	10728	Sun	Polish intel.	PSK	(AB)
P03	4-11	1030	14410	Mon	Polish intel.	PSK	(AB)
P03	4-11	1035	14410	Mon	Polish intel.	PSK	(AB)
P03	4-11	1220	21906	Mon	Polish intel.	PSK	(AB)
P03	4-11	1225	21906	Mon	Polish intel.	PSK	(AB)
P03	5-11	0430	6252	Tue	Polish intel.	PSK	(AB)
P03	5-11	0435	6252	Tue	Polish intel.	PSK	(AB)
P03	5-11	0635	25195	Tue	Polish intel.	PSK	(AB)
P03	5-11	0640	25195	Tue	Polish intel.	PSK	(AB)
P03	5-11	1100	12202	Tue	Polish intel.	PSK	(AB)
P03	5-11	1105	12202	Tue	Polish intel.	PSK	(AB)
P03	5-11	1725	10728	Tue	Polish intel.	PSK	(AB)
P03	5-11	1730	10728	Tue	Polish intel.	PSK	(AB)
P03	6-11	1030	14410	Wed	Polish intel.	PSK	(AB)
P03	6-11	1035	14410	Wed	Polish intel.	PSK	(AB)
P03	6-11	1100	12202	Wed	Polish intel.	PSK	(AB)
P03	6-11	1105	12202	Wed	Polish intel.	PSK	(AB)
P03	6-11	1310	6524	Wed	Polish intel.	PSK	(AB)
P03	6-11	1315	6524	Wed	Polish intel.	PSK	(AB)
P03	7-11	0430	6252	Thu	Polish intel.	PSK	(AB)
P03	7-11	0435	6252	Thu	Polish intel.	PSK	(AB)

P03	7-11	0635	25195	Thu	Polish intel.	PSK	(AB-POL)
P03	7-11	0640	25195	Thu	Polish intel.	PSK	(AB-POL)
P03	7-11	1950	5844	Thu	Polish intel.	PSK	(AB)
P03	7-11	1955	5844	Thu	Polish intel.	PSK	(AB)
P03	8-11	0530	5844	Fri	Polish intel.	PSK	(AB)
P03	8-11	0535	5844	Fri	Polish intel.	PSK	(AB)
P03	8-11	1100	6977	Fri	Polish intel.	PSK	(AB)
P03	8-11	1105	6977	Fri	Polish intel.	PSK	(AB)
P03	8-11	1515	18265	Fri	Polish intel.	PSK	(AB)
P03	8-11	1520	18265	Fri	Polish intel.	PSK	(AB)
P03	9-11	1020	5823	Sat	Polish intel.	USB	(AB)
P03	9-11	1025	5823	Sat	Polish intel.	USB	(AB)
P03	9-11	1245	7391	Sat	Polish intel.	PSK	(AB)
P03	9-11	1250	7391	Sat	Polish intel.	PSK	(AB)
P03	9-11	1310	6524	Sat	Polish intel.	PSK	(AB)
P03	9-11	1315	6524	Sat	Polish intel.	PSK	(AB)
P03	10-11	0530	5844	Sun	Polish intel.	PSK	(AB)
P03	10-11	0535	5844	Sun	Polish intel.	PSK	(AB)
P03	10-11	1020	5823	Sun	Polish intel.	USB	(AB)
P03	10-11	1025	5823	Sun	Polish intel.	USB	(AB)
P03	10-11	1100	6977	Sun	Polish intel.	PSK	(AB)
P03	10-11	1105	6977	Sun	Polish intel.	PSK	(AB)
P03	10-11	1220	21906	Sun	Polish intel.	PSK	(AB)
P03	10-11	1225	21906	Sun	Polish intel.	PSK	(AB)
P03	10-11	1245	7391	Sun	Polish intel.	PSK	(AB)
P03	10-11	1250	7391	Sun	Polish intel.	PSK	(AB)
P03	10-11	1515	18265	Sun	Polish intel.	PSK	(AB)
P03	10-11	1520	18265	Sun	Polish intel.	PSK	(AB)
P03	10-11	1725	10728	Sun	Polish intel.	PSK	(AB)
P03	10-11	1730	10728	Sun	Polish intel.	PSK	(AB)
P03	11-11	1030	14410	Mon	Polish intel.	PSK	(AB)
P03	11-11	1035	14410	Mon	Polish intel.	PSK	(AB)
P03	11-11	1220	21906	Mon	Polish intel.	PSK	(AB)
P03	11-11	1225	21906	Mon	Polish intel.	PSK	(AB)
P03	12-11	0430	6252	Tue	Polish intel.	PSK	(AB)
P03	12-11	0435	6252	Tue	Polish intel.	PSK	(AB)
P03	12-11	0635	25195	Tue	Polish intel.	PSK	(AB)
P03	12-11	0640	25195	Tue	Polish intel.	PSK	(AB)
P03	12-11	1100	12202	Tue	Polish intel.	PSK	(AB)
P03	12-11	1105	12202	Tue	Polish intel.	PSK	(AB)
P03	12-11	1725	10728	Tue	Polish intel.	PSK	(AB)
P03	12-11	1730	10728	Tue	Polish intel.	PSK	(AB)
P03	13-11	1030	14410	Wed	Polish intel.	PSK	(AB)

P03	13-11	1035	14410	Wed	Polish intel.	PSK	(AB)
P03	13-11	1100	12202	Wed	Polish intel.	PSK	(AB)
P03	13-11	1105	12202	Wed	Polish intel.	PSK	(AB)
P03	13-11	1310	6524	Wed	Polish intel.	PSK	(AB)
P03	13-11	1315	6524	Wed	Polish intel.	PSK	(AB)
P03	14-11	0430	6252	Thu	Polish intel.	PSK	(AB)
P03	14-11	0435	6252	Thu	Polish intel.	PSK	(AB)
P03	14-11	0635	25195	Thu	Polish intel.	PSK	(AB-POL)
P03	14-11	0640	25195	Thu	Polish intel.	PSK	(AB-POL)
P03	14-11	1950	5844	Thu	Polish intel.	PSK	(AB)
P03	14-11	1955	5844	Thu	Polish intel.	PSK	(AB)
P03	15-11	0530	5844	Fri	Polish intel.	PSK	(AB)
P03	15-11	0535	5844	Fri	Polish intel.	PSK	(AB)
P03	15-11	1100	6977	Fri	Polish intel.	PSK	(AB)
P03	15-11	1105	6977	Fri	Polish intel.	PSK	(AB)
P03	15-11	1515	18265	Fri	Polish intel.	PSK	(AB)
P03	15-11	1520	18265	Fri	Polish intel.	PSK	(AB)
P03	16-11	1020	5823	Sat	Polish intel.	USB	(AB)
P03	16-11	1025	5823	Sat	Polish intel.	USB	(AB)
P03	16-11	1245	7391	Sat	Polish intel.	PSK	(AB)
P03	16-11	1250	7391	Sat	Polish intel.	PSK	(AB)
P03	16-11	1310	6524	Sat	Polish intel.	PSK	(AB)
P03	16-11	1315	6524	Sat	Polish intel.	PSK	(AB)
P03	17-11	0530	5844	Sun	Polish intel.	PSK	(AB)
P03	17-11	0535	5844	Sun	Polish intel.	PSK	(AB)
P03	17-11	1020	5823	Sun	Polish intel.	USB	(AB)
P03	17-11	1025	5823	Sun	Polish intel.	USB	(AB)
P03	17-11	1100	6977	Sun	Polish intel.	PSK	(AB)
P03	17-11	1105	6977	Sun	Polish intel.	PSK	(AB)
P03	17-11	1220	21906	Sun	Polish intel.	PSK	(AB)
P03	17-11	1225	21906	Sun	Polish intel.	PSK	(AB)
P03	17-11	1245	7391	Sun	Polish intel.	PSK	(AB)
P03	17-11	1250	7391	Sun	Polish intel.	PSK	(AB)
P03	17-11	1515	18265	Sun	Polish intel.	PSK	(AB)
P03	17-11	1520	18265	Sun	Polish intel.	PSK	(AB)
P03	17-11	1725	10728	Sun	Polish intel.	PSK	(AB)
P03	17-11	1730	10728	Sun	Polish intel.	PSK	(AB)
P03	17-11	1950	5844	Sun	Polish intel.	PSK	(AB)
P03	17-11	1955	5844	Sun	Polish intel.	PSK	(AB)
P03	18-11	1030	14410	Mon	Polish intel.	PSK	(AB)
P03	18-11	1035	14410	Mon	Polish intel.	PSK	(AB)
P03	18-11	1220	21906	Mon	Polish intel.	PSK	(AB)
P03	18-11	1225	21906	Mon	Polish intel.	PSK	(AB)

P03	19-11	0430	6252	Tue	Polish intel.	PSK	(AB)
P03	19-11	0435	6252	Tue	Polish intel.	PSK	(AB)
P03	19-11	0635	25195	Tue	Polish intel.	PSK	(Subilo)
P03	19-11	1100	12202	Tue	Polish intel.	PSK	(AB)
P03	19-11	1105	12202	Tue	Polish intel.	PSK	(AB)
P03	19-11	1725	10728	Tue	Polish intel.	PSK	(AB)
P03	19-11	1730	10728	Tue	Polish intel.	PSK	(AB)
P03	20-11	1030	14410	Wed	Polish intel.	PSK	(AB)
P03	20-11	1035	14410	Wed	Polish intel.	PSK	(AB)
P03	20-11	1100	12202	Wed	Polish intel.	PSK	(AB/RL-HOL)
P03	20-11	1105	12202	Wed	Polish intel.	PSK	(AB/RL-HOL)
P03	20-11	1310	6524	Wed	Polish intel.	PSK	(AB)
P03	20-11	1315	6524	Wed	Polish intel.	PSK	(AB)
P03	21-11	0430	6252	Thu	Polish intel.	PSK	(AB)
P03	21-11	0435	6252	Thu	Polish intel.	PSK	(AB)
P03	21-11	0635	25195	Thu	Polish intel.	PSK	(AB-POL)
P03	21-11	0640	25195	Thu	Polish intel.	PSK	(AB-POL)
P03	21-11	1950	5844	Thu	Polish intel.	PSK	(AB)
P03	21-11	1955	5844	Thu	Polish intel.	PSK	(AB)
P03	22-11	0530	5844	Fri	Polish intel.	PSK	(AB)
P03	22-11	0535	5844	Fri	Polish intel.	PSK	(AB)
P03	22-11	1100	6977	Fri	Polish intel.	PSK	(AB)
P03	22-11	1105	6977	Fri	Polish intel.	PSK	(AB)
P03	22-11	1515	18265	Fri	Polish intel.	PSK	(AB)
P03	22-11	1520	18265	Fri	Polish intel.	PSK	(AB)
P03	23-11	1020	5823	Sat	Polish intel.	USB	(AB)
P03	23-11	1025	5823	Sat	Polish intel.	USB	(AB)
P03	23-11	1245	7391	Sat	Polish intel.	PSK	(AB)
P03	23-11	1250	7391	Sat	Polish intel.	PSK	(AB)
P03	23-11	1310	6524	Sat	Polish intel.	PSK	(AB)
P03	23-11	1315	6524	Sat	Polish intel.	PSK	(AB)
P03	24-11	0530	5844	Sun	Polish intel.	PSK	(AB)
P03	24-11	0535	5844	Sun	Polish intel.	PSK	(AB)
P03	24-11	1020	5823	Sun	Polish intel.	USB	(AB)
P03	24-11	1025	5823	Sun	Polish intel.	USB	(AB)
P03	24-11	1100	6977	Sun	Polish intel.	PSK	(AB)
P03	24-11	1105	6977	Sun	Polish intel.	PSK	(AB)
P03	24-11	1220	21906	Sun	Polish intel.	PSK	(AB)
P03	24-11	1225	21906	Sun	Polish intel.	PSK	(AB)
P03	24-11	1245	7391	Sun	Polish intel.	PSK	(AB)
P03	24-11	1250	7391	Sun	Polish intel.	PSK	(AB)
P03	24-11	1515	18265	Sun	Polish intel.	PSK	(AB)
P03	24-11	1520	18265	Sun	Polish intel.	PSK	(AB)

P03	24-11	1725	10728	Sun	Polish intel.	PSK	(AB)
P03	24-11	1730	10728	Sun	Polish intel.	PSK	(AB)
P03	24-11	1950	5844	Sun	Polish intel.	PSK	(AB)
P03	24-11	1955	5844	Sun	Polish intel.	PSK	(AB)
P03	25-11	1030	14410	Mon	Polish intel.	PSK	(AB)
P03	25-11	1035	14410	Mon	Polish intel.	PSK	(AB)
P03	25-11	1220	21906	Mon	Polish intel.	PSK	(AB)
P03	25-11	1225	21906	Mon	Polish intel.	PSK	(AB)
P03	26-11	0430	6252	Tue	Polish intel.	PSK	(AB)
P03	26-11	0435	6252	Tue	Polish intel.	PSK	(AB)
P03	26-11	0635	25195	Tue	Polish intel.	PSK	(AB)
P03	26-11	0640	25195	Tue	Polish intel.	PSK	(AB)
P03	26-11	1100	12202	Tue	Polish intel.	PSK	(AB)
P03	26-11	1105	12202	Tue	Polish intel.	PSK	(AB)
P03	26-11	1725	10728	Tue	Polish intel.	PSK	(AB)
P03	26-11	1730	10728	Tue	Polish intel.	PSK	(AB)
P03	27-11	1030	14410	Wed	Polish intel.	PSK	(AB)
P03	27-11	1035	14410	Wed	Polish intel.	PSK	(AB)
P03	27-11	1100	12202	Wed	Polish intel.	PSK	(AB)
P03	27-11	1105	12202	Wed	Polish intel.	PSK	(AB)
P03	27-11	1310	6524	Wed	Polish intel.	PSK	(AB)
P03	27-11	1315	6524	Wed	Polish intel.	PSK	(AB)
P03	28-11	0430	6252	Thu	Polish intel.	PSK	(AB)
P03	28-11	0435	6252	Thu	Polish intel.	PSK	(AB)
P03	28-11	0635	25195	Thu	Polish intel.	PSK	(AB-POL)
P03	28-11	0640	25195	Thu	Polish intel.	PSK	(AB-POL)
P03	28-11	1950	5844	Thu	Polish intel.	PSK	(AB)
P03	28-11	1955	5844	Thu	Polish intel.	PSK	(AB)
P03	29-11	0530	5844	Fri	Polish intel.	PSK	(AB)
P03	29-11	0535	5844	Fri	Polish intel.	PSK	(AB)
P03	29-11	1100	6977	Fri	Polish intel.	PSK	(AB)
P03	29-11	1105	6977	Fri	Polish intel.	PSK	(AB)
P03	29-11	1515	18265	Fri	Polish intel.	PSK	(AB)
P03	29-11	1520	18265	Fri	Polish intel.	PSK	(AB)
P03	30-11	1020	5823	Sat	Polish intel.	USB	(AB)
P03	30-11	1025	5823	Sat	Polish intel.	USB	(AB)
P03	30-11	1245	7391	Sat	Polish intel.	PSK	(AB)
P03	30-11	1250	7391	Sat	Polish intel.	PSK	(AB)
P03	30-11	1310	6524	Sat	Polish intel.	PSK	(AB)
P03	30-11	1315	6524	Sat	Polish intel.	PSK	(AB)
P03g	1-11	1315	13046	Fri	Polish intel.	BPSK 50Bd/464bp	(AB)
P03g	1-11	1320	13046	Fri	Polish intel.	BPSK 50Bd/464bp	(AB)
P03g	6-11	1315	13046	Wed	Polish intel.	BPSK 50Bd/464bp	(AB)

P03g	6-11	1320	13046	Wed	Polish intel.	BPSK 50Bd/464bp	(AB)
P03g	8-11	1315	13046	Fri	Polish intel.	BPSK 50Bd/464bp	(AB)
P03g	8-11	1321	13046	Fri	Polish intel. Late start	BPSK 50Bd/464bp	(AB)
P03g	13-11	1315	13046	Wed	Polish intel.	BPSK 50Bd/464bp	(AB)
P03g	13-11	1320	13046	Wed	Polish intel.	BPSK 50Bd/464bp	(AB)
P03g	15-11	1315	13046	Fri	Polish intel.	BPSK 50Bd/464bp	(AB)
P03g	15-11	1321	13046	Fri	Polish intel.	BPSK 50Bd/464bp	(AB)
P03g	20-11	1315	13046	Wed	Polish intel.	BPSK 50Bd/464bp	(AB)
P03g	20-11	1320	13046	Wed	Polish intel.	BPSK 50Bd/464bp	(AB)
P03g	22-11	1315	13046	Fri	Polish intel.	BPSK 50Bd/464bp	(AB)
P03g	22-11	1321	13046	Fri	Polish intel.	BPSK 50Bd/464bp	(AB)
P03g	27-11	1315	13046	Wed	Polish intel.	BPSK 50Bd/464bp	(AB)
P03g	27-11	1320	13046	Wed	Polish intel.	BPSK 50Bd/464bp	(AB)
P03g	29-11	1315	13046	Fri	Polish intel.	BPSK 50Bd/464bp	(AB)
P03g	29-11	1321	13046	Fri	Polish intel.	BPSK 50Bd/464bp	(AB)
P03i	1-11	1500	9446	Fri	Polish intel.	BPSK 100Bd/512bp	(AB)
P03i	1-11	1505	9446	Fri	Polish intel.	BPSK 100Bd/512bp	(AB)
P03i	5-11	1800	6480	Tue	Polish intel.	BPSK 100Bd/512bp	(AB)
P03i	5-11	1805	6480	Tue	Polish intel.	BPSK 100Bd/512bp	(AB)
P03i	7-11	1800	6480	Thu	Polish intel.	BPSK 100Bd/512bp	(AB)
P03i	7-11	1805	6480	Thu	Polish intel.	BPSK 100Bd/512bp	(AB)
P03i	8-11	1500	9446	Fri	Polish intel.	BPSK 100Bd/512bp	(AB)
P03i	8-11	1505	9446	Fri	Polish intel.	BPSK 100Bd/512bp	(AB)
P03i	12-11	1800	6480	Tue	Polish intel.	BPSK 100Bd/512bp	(AB)
P03i	12-11	1805	6480	Tue	Polish intel.	BPSK 100Bd/512bp	(AB)
P03i	14-11	1800	6480	Thu	Polish intel.	BPSK 100Bd/512bp	(AB)
P03i	14-11	1805	6480	Thu	Polish intel.	BPSK 100Bd/512bp	(AB)
P03i	15-11	1500	9446	Fri	Polish intel.	BPSK 100Bd/512bp	(AB)
P03i	15-11	1505	9446	Fri	Polish intel.	BPSK 100Bd/512bp	(AB)
P03i	19-11	1800	6480	Tue	Polish intel.	BPSK 100Bd/512bp	(AB)
P03i	19-11	1805	6480	Tue	Polish intel.	BPSK 100Bd/512bp	(AB)
P03i	21-11	1800	6480	Thu	Polish intel.	BPSK 100Bd/512bp	(AB)
P03i	21-11	1805	6480	Thu	Polish intel.	BPSK 100Bd/512bp	(AB)
P03i	22-11	1500	9446	Fri	Polish intel.	BPSK 100Bd/512bp	(AB)
P03i	22-11	1505	9446	Fri	Polish intel.	BPSK 100Bd/512bp	(AB)
P03i	26-11	1800	6480	Tue	Polish intel.	BPSK 100Bd/512bp	(AB)
P03i	26-11	1805	6480	Tue	Polish intel.	BPSK 100Bd/512bp	(AB)
P03i	28-11	1800	6480	Thu	Polish intel.	BPSK 100Bd/512bp	(AB)
P03i	28-11	1805	6480	Thu	Polish intel.	BPSK 100Bd/512bp	(AB)
P03i	29-11	1500	9446	Fri	Polish intel.	BPSK 100Bd/512bp	(AB)
P03i	29-11	1505	9446	Fri	Polish intel.	BPSK 100Bd/512bp	(AB)
P03j	4-11	1830	6906	Mon	Polish intel.	QPSK 100Bd/504bp	(AB)
P03j	4-11	1835	6906	Mon	Polish intel.	QPSK 100Bd/504bp	(AB)

P03j	7-11	1830	6906	Thu	Polish intel.	QPSK 100Bd/504bp	(AB)
P03j	7-11	1835	6906	Thu	Polish intel.	QPSK 100Bd/504bp	(AB)
P03j	11-11	1830	6906	Mon	Polish intel.	QPSK 100Bd/504bp	(AB)
P03j	11-11	1835	6906	Mon	Polish intel.	QPSK 100Bd/504bp	(AB)
P03j	18-11	1830	6906	Mon	Polish intel.	QPSK 100Bd/504bp	(AB)
P03j	18-11	1835	6906	Mon	Polish intel.	QPSK 100Bd/504bp	(AB)
P03j	21-11	1830	6906	Thu	Polish intel.	QPSK 100Bd/504bp	(AB)
P03j	21-11	1835	6906	Thu	Polish intel.	QPSK 100Bd/504bp	(AB)
P03j	25-11	1830	6906	Mon	Polish intel.	QPSK 100Bd/504bp	(AB)
P03j	25-11	1835	6906	Mon	Polish intel.	QPSK 100Bd/504bp	(AB)
P03j	28-11	1830	6906	Thu	Polish intel.	QPSK 100Bd/504bp	(AB)
P03j	28-11	1835	6906	Thu	Polish intel.	QPSK 100Bd/504bp	(AB)
P03k	2-11	0630	6480	Sat	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	2-11	0635	6480	Sat	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	2-11	1230	18030	Sat	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	2-11	1235	18030	Sat	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	2-11	1730	8180	Sat	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	2-11	1735	8180	Sat	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	3-11	0630	6480	Sun	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	3-11	0635	6480	Sun	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	5-11	1230	18030	Tue	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	5-11	1235	18030	Tue	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	6-11	1730	8180	Wed	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	6-11	1735	8180	Wed	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	9-11	0630	6480	Sat	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	9-11	0635	6480	Sat	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	9-11	1230	18030	Sat	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	9-11	1235	18030	Sat	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	9-11	1730	8180	Sat	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	9-11	1735	8180	Sat	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	10-11	0630	6480	Sun	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	10-11	0635	6480	Sun	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	12-11	1230	18030	Tue	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	12-11	1235	18030	Tue	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	13-11	1730	8180	Wed	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	13-11	1735	8180	Wed	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	16-11	0630	6480	Sat	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	16-11	0635	6480	Sat	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	16-11	1230	18030	Sat	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	16-11	1235	18030	Sat	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	16-11	1730	8180	Sat	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	16-11	1735	8180	Sat	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	17-11	0630	6480	Sun	Polish intel.	BPSK 100Bd/480bp	(AB)

P03k	17-11	0635	6480	Sun	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	19-11	1230	18030	Tue	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	19-11	1235	18030	Tue	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	20-11	1730	8180	Wed	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	20-11	1735	8180	Wed	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	23-11	0630	6480	Sat	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	23-11	0635	6480	Sat	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	23-11	1230	18030	Sat	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	23-11	1235	18030	Sat	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	23-11	1730	8180	Sat	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	23-11	1735	8180	Sat	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	26-11	1230	18030	Tue	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	26-11	1235	18030	Tue	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	27-11	1730	8180	Wed	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	27-11	1735	8180	Wed	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	30-11	0630	6480	Sat	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	30-11	0635	6480	Sat	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	30-11	1230	18030	Sat	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	30-11	1235	18030	Sat	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	30-11	1730	8180	Sat	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	30-11	1735	8180	Sat	Polish intel.	BPSK 100Bd/480bp	(AB)
P03l	1-11	1345	8102	Fri	Polish intel.	QPSK 100Bd/464bp	(AB)
P03l	1-11	1350	8102	Fri	Polish intel.	QPSK 100Bd/464bp	(AB)
P03l	4-11	1200	7727	Mon	Polish intel.	QPSK 100Bd/464bp	(AB)
P03l	4-11	1205	7727	Mon	Polish intel.	QPSK 100Bd/464bp	(AB)
P03l	5-11	0725	9052	Tue	Polish intel.	QPSK 100Bd/464bp	(AB)
P03l	5-11	0730	9052	Tue	Polish intel.	QPSK 100Bd/464bp	(AB)
P03l	5-11	0800	14656	Tue	Polish intel.	QPSK 100Bd/464bp	(AB)
P03l	5-11	0805	14656	Tue	Polish intel.	QPSK 100Bd/464bp	(AB)
P03l	5-11	0805	14656	Tue	Polish intel.	QPSK 100Bd/464bp	(AB)
P03l	5-11	1500	9446	Tue	Polish intel.	QPSK 100Bd/464bp	(AB)
P03l	5-11	1505	9446	Tue	Polish intel.	QPSK 100Bd/464bp	(AB)
P03l	6-11	0800	14656	Wed	Polish intel.	QPSK 100Bd/464bp	(AB)
P03l	6-11	1345	8102	Wed	Polish intel.	QPSK 100Bd/464bp	(AB)
P03l	6-11	1350	8102	Wed	Polish intel.	QPSK 100Bd/464bp	(AB)
P03l	7-11	0725	9052	Thu	Polish intel.	QPSK 100Bd/464bp	(AB)
P03l	7-11	0730	9052	Thu	Polish intel.	QPSK 100Bd/464bp	(AB)
P03l	7-11	1200	7727	Thu	Polish intel.	QPSK 100Bd/464bp	(AB)
P03l	7-11	1205	7727	Thu	Polish intel.	QPSK 100Bd/464bp	(AB)
P03l	8-11	1345	8102	Fri	Polish intel.	QPSK 100Bd/464bp	(AB)
P03l	8-11	1350	8102	Fri	Polish intel.	QPSK 100Bd/464bp	(AB)
P03l	11-11	1200	7727	Mon	Polish intel.	QPSK 100Bd/464bp	(AB)
P03l	11-11	1205	7727	Mon	Polish intel.	QPSK 100Bd/464bp	(AB)

P03I	12-11	0725	9052	Tue	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	12-11	0730	9052	Tue	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	12-11	0800	14656	Tue	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	12-11	0805	14656	Tue	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	12-11	1500	9446	Tue	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	12-11	1505	9446	Tue	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	13-11	0800	14656	Wed	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	13-11	0805	14656	Wed	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	13-11	1345	8102	Wed	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	13-11	1350	8102	Wed	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	14-11	0725	9052	Thu	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	14-11	0730	9052	Thu	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	14-11	1200	7727	Thu	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	14-11	1205	7727	Thu	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	15-11	1345	8102	Fri	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	15-11	1350	8102	Fri	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	18-11	1200	7727	Mon	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	18-11	1205	7727	Mon	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	19-11	0725	9052	Tue	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	19-11	0730	9052	Tue	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	19-11	0800	14656	Tue	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	19-11	0805	14656	Tue	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	19-11	1500	9446	Tue	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	19-11	1505	9446	Tue	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	20-11	0800	14656	Wed	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	20-11	0805	14656	Wed	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	20-11	1345	8102	Wed	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	20-11	1350	8102	Wed	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	21-11	0725	9052	Thu	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	21-11	0730	9052	Thu	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	21-11	1200	7727	Thu	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	21-11	1205	7727	Thu	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	22-11	1345	8102	Fri	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	22-11	1350	8102	Fri	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	25-11	1200	7727	Mon	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	25-11	1205	7727	Mon	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	26-11	0725	9052	Tue	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	26-11	0730	9052	Tue	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	26-11	0800	14656	Tue	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	26-11	0805	14656	Tue	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	26-11	1500	9446	Tue	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	26-11	1505	9446	Tue	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	27-11	0800	14656	Wed	Polish intel.	QPSK 100Bd/464bp	(AB)

P03I	27-11	0805	14656	Wed	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	27-11	1345	8102	Wed	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	27-11	1350	8102	Wed	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	28-11	0725	9052	Thu	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	28-11	0730	9052	Thu	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	28-11	1200	7727	Thu	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	28-11	1205	7727	Thu	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	29-11	1345	8102	Fri	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	29-11	1350	8102	Fri	Polish intel.	QPSK 100Bd/464bp	(AB)
P07	3-11	1500	8136	Sun	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	3-11	1510	8074	Sun	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	3-11	1520	7504	Sun	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	3-11	1530	6821	Sun	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	3-11	1540	5848	Sun	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	3-11	1550	5112	Sun	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	6-11	1500	8136	Wed	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	6-11	1510	8074	Wed	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	6-11	1520	7504	Wed	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	6-11	1530	6821	Wed	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	6-11	1540	5848	Wed	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	6-11	1550	5112	Wed	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	10-11	1500	8136	Sun	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	10-11	1510	8074	Sun	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	10-11	1520	7504	Sun	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	10-11	1530	6821	Sun	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	10-11	1540	5848	Sun	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	10-11	1550	5112	Sun	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	13-11	1500	8136	Wed	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	13-11	1510	8074	Wed	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	13-11	1520	7504	Wed	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	13-11	1530	6821	Wed	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	13-11	1540	5848	Wed	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	13-11	1550	5112	Wed	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	17-11	1500	8136	Sun	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	17-11	1510	8074	Sun	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	17-11	1520	7504	Sun	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	17-11	1530	6821	Sun	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	17-11	1540	5848	Sun	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	17-11	1550	5112	Sun	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	20-11	1500	8136	Wed	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	20-11	1510	8074	Wed	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	20-11	1520	7504	Wed	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	20-11	1530	6821	Wed	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)

P07	20-11	1540	5848	Wed	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	20-11	1550	5112	Wed	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	24-11	1500	8136	Sun	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	24-11	1510	8074	Sun	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	24-11	1520	7504	Sun	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	24-11	1530	6821	Sun	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	24-11	1540	5848	Sun	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	24-11	1550	5112	Sun	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	27-11	1500	8136	Wed	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	27-11	1510	8074	Wed	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	27-11	1520	7504	Wed	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	27-11	1530	6821	Wed	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	27-11	1540	5848	Wed	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	27-11	1550	5112	Wed	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
RADv	1-11	1709	2705.5	Fri	Russian Air Defence Tracking	USB	(F5JBR)
S06	1-11	0400	11616	Fri	480 480 480 00000	USB	(Subilo)
S06	1-11	0420	9322	Fri	480 480 480 00000	USB	(Subilo)
S06	1-11	2000	7923	Fri	842 842 842 00000	USB	(AB/HFD)
S06	1-11	2100	5943	Fri	842 842 842 00000	USB	(AB/HFD)
S06	6-11	0400	11616	Wed	480 967 23 41459 38608 06888 ... 71475 07187 58596 967 23 450 521 33 93082 26183 74129 ... 23365 17933 73875 521 33 00000	USB	(Subilo)
S06	6-11	0420	9322	Wed	480 967 23 41459 38608 06888 ... 71475 07187 58596 967 23 450 521 33 93082 26183 74129 ... 23365 17933 73875 521 33 00000	USB	(Subilo)
S06	7-11	0400	11616	Thu	480 967 23 41459 38608 06888 ... 71475 07187 58596 967 23 450 521 33 93082 26183 74129 ... 23365 17933 73875 521 33 00000	USB	(Subilo)
S06	7-11	0420	9322	Thu	480 967 23 41459 38608 06888 ... 71475 07187 58596 967 23 450 521 33 93082 26183 74129 ... 23365 17933 73875 521 33 00000	USB	(Subilo)
S06	9-11	0925	10755	Sat	Windows XP startup system sound	USB	(PY)
S06	9-11	0950	10755	Sat	975 328 60 89457 87435 93647 ... 09304 57182 83759 328 60 00000	USB	(PY)
S06	9-11	1440	11073	Sat	352 790 61 18277 62750 87795 ... 43082 45731 46052 790 61 00000	USB	(PY)
S06	10-11	0400	11616	Sun	480 480 480 00000	USB	(Subilo)
S06	10-11	0420	9322	Sun	480 480 480 00000	USB	(Subilo)
S06	11-11	0400	11616	Mon	480 379 56 87611 49349 97522 ... 57811 3676 15696 379 56 00000	USB	(Subilo)
S06	11-11	0420	9322	Mon	480 379 56 87611 49349 97522 ... 57811 3676 15696 379 56 00000	USB	(Subilo)
S06	12-11	0400	11616	Tue	480 379 56 87611 49349 97522 ... 57811 3676 15696 379 56 00000	USB	(Subilo)
S06	12-11	0420	9322	Tue	480 379 56 87611 49349 97522 ... 57811 3676 15696 379 56 00000	USB	(Subilo)
S06	13-11	0400	11616	Wed	480 652 21 72866 89251 77548 ... 36641 80390 51759 652 21 480 931 36 92541 51719 89200 ... 26625 50641 78706 931 36 00000	USB	(Subilo)
S06	13-11	0420	9322	Wed	480 652 21 72866 89251 77548 ... 36641 80390 51759 652 21 480 931 36 92541 51719 89200 ... 26625 50641 78706 931 36 00000	USB	(Subilo)
S06	14-11	0400	11616	Thu	480 652 21 72866 89251 77548 ... 36641 80390 51759 652 21 480 931 36 92541 51719 89200 ... 26625 50641 78706 931 36 00000	USB	(Subilo)

S06	14-11	0420	9322	Thu	480 652 21 72866 89251 77548 ... 36641 80390 51759 652 21 480 931 36 92541 51719 89200 ... 26625 50641 78706 931 36 00000	USB	(Subilo)
S06	15-11	0400	11616	Fri	480 480 480 00000	USB	(Subilo)
S06	15-11	0420	9322	Fri	480 480 480 00000	USB	(Subilo)
S06	15-11	2000	7923	Fri	842 842 842 00000	USB	(AB)
S06	15-11	2100	5943	Fri	842 842 842 00000	USB	(AB)
S06	18-11	0400	11616	Mon	480 265 57 68733 78450 76588 ... 73217 93787 02677 265 57 00000	USB	(Subilo)
S06	18-11	0420	9322	Mon	480 265 57 68733 78450 76588 ... 73217 93787 02677 265 57 00000	USB	(Subilo)
S06	19-11	0400	11616	Tue	480 265 57 68733 78450 76588 ... 73217 93787 02677 265 57 00000	USB	(Subilo)
S06	19-11	0420	9322	Tue	480 265 57 68733 78450 76588 ... 73217 93787 02677 265 57 00000	USB	(Subilo)
S06	19-11	0800	10755	Tue	975 812 60 50970 59393 84218 ... 31436 98371 77832 812 60 00000	USB	(PY)
S06	20-11	0400	11616	Wed	480 173 26 86709 05120 06732 ... 69098 16718 74090 173 26 480 956 24 41074 80903 91210 ... 50368 71581 00920 956 24 00000	USB	(Subilo)
S06	20-11	0420	9322	Wed	480 173 26 86709 05120 06732 ... 69098 16718 74090 173 26 480 956 24 41074 80903 91210 ... 50368 71581 00920 956 24 00000	USB	(Subilo)
S06	20-11	1330	11073	Wed	352 189 40 47030 34295 32122 ... 09452 18762 55530 189 40 352 407 16 78174 56942 61727 ... 66714 95923 72546 407 16 00000	USB	(PY)
S06	21-11	0400	11616	Thu	480 173 26 86709 05120 06732 ... 69098 16718 74090 173 26 480 956 24 41074 80903 91210 ... 50368 71581 00920 956 24 00000	USB	(Subilo)
S06	21-11	0420	9322	Thu	480 173 26 86709 05120 06732 ... 69098 16718 74090 173 26 480 956 24 41074 80903 91210 ... 50368 71581 00920 956 24 00000	USB	(Subilo)
S06	21-11	1400	9463	Thu	801 376 25 87863 27797 04262 ... 12508 01079 03639 376 25 801 634 25 67151 04433 30052 ... 09665 47463 17878 634 25 00000	USB	(PY)
S06	21-11	2000	7923	Thu	842 579 33 55108 51055 69644 ... 75158 20355 70000 579 33 00000	USB	(AB/PY)
S06	21-11	2100	5943	Thu	842 579 33 55108 51055 69644 ... 75158 20355 70000 579 33 00000	USB	(AB/PY)
S06	22-11	0400	11616	Fri	480 480 480 00000	USB	(Subilo)
S06	22-11	0420	9322	Fri	480 480 480 00000	USB	(Subilo)
S06	22-11	0820	10755	Fri	975 018 26 19350 36826 22424 ... 75976 15491 11548 018 26 975 349 26 82730 09718 37987 ... 88975 43221 49211 349 26 00000	USB	(AB)
S06	22-11	2000	7923	Fri	842 579 33 55108 51055 69644 ... 75158 20355 70000 579 33 00000	USB	(AB/PY)
S06	22-11	2100	5937	Fri	842 579 33 55108 51055 69644 ... 75158 20355 70000 579 33 00000	USB	(AB/PY)
S06	25-11	0400	11616	Mon	480 271 53 67141 93161 60847 ... 90443 73952 62122 271 53 00000	USB	(Subilo)
S06	25-11	0420	9322	Mon	480 271 53 67141 93161 60847 ... 90443 73952 62122 271 53 00000	USB	(Subilo)
S06	26-11	0400	11616	Tue	480 271 53 67141 93161 60847 ... 90443 73952 62122 271 53 00000	USB	(Subilo)
S06	26-11	0420	9322	Tue	480 271 53 67141 93161 60847 ... 90443 73952 62122 271 53 00000	USB	(Subilo)
S06	27-11	0400	11616	Wed	480 396 51 28725 33242 20240 ... 21426 94610 96506 396 51 00000	USB	(Subilo)
S06	27-11	0420	9322	Wed	480 396 51 28725 33242 20240 ... 21426 94610 96506 396 51 00000	USB	(Subilo)
S06	28-11	0400	11616	Thu	480 396 51 28725 33242 20240 ... 21426 94610 96506 396 51 00000	USB	(Subilo)
S06	28-11	0420	9322	Thu	480 396 51 28725 33242 20240 ... 21426 94610 96506 396 51 00000	USB	(Subilo)
S06	29-11	0400	11616	Fri	480 480 480 00000	USB	(Subilo)
S06	29-11	0420	9322	Fri	480 480 480 00000	USB	(Subilo)
S06c	14-11	1438	15728	Thu	11024 (R4m)	USB	(PY)
S06c	14-11	1450	15728	Thu	11024 (R4m)	USB	(PY)

S06c	14-11	1500	13574	Thu	11024 (R4m)	USB	(PY)
S06c	27-11	1006	16129	Wed	11213 (R6m24s)	USB	(AB/PY)
S06c	27-11	1020	16129	Wed	11213 (R4m)	USB	(AB/PY)
S06c	27-11	1030	13547	Wed	11213 (R4m)	USB	(PY)
S11a	1-11	0725	23486	Fri	385/00 Konets	USB	(AB/HFD/Lac)
S11A	1-11	0725	23486	Fri	385/00	USB	(HFD)
S11a	1-11	0915	6252	Fri	480/00 Konets	USB	(AB/HFD)
S11a	1-11	1400	10448	Fri	427/00 Konets	USB	(AB/HFD)
S11a	2-11	0830	5371	Sat	377/00 Konets	USB	(AB/HFD)
S11a	2-11	1850	11486	Sat	288/00 Konets	USB	(AB/HFD)
S11a	3-11	0830	5371	Sun	371/00 Konets	USB	(AB/TJ)
S11A	4-11	0510	21906	Mon	659/37 Vnimanaye 96938 ...	USB	(HFD)
S11a	4-11	0700	9050	Mon	471/00 Konets	USB	(AB/HFD)
S11a	4-11	0915	6252	Mon	486/00 Konets	USB	(AB)
S11a	5-11	0445	11559	Tue	796/00 Konets	USB	(AB)
S11a	5-11	1400	10448	Tue	420/00 Konets	USB	(AB)
S11a	6-11	0725	23486	Wed	383/00 Konets	USB	(AB)
S11a	6-11	1850	11486	Wed	281/37 Vnimanaye 35350 87061 63570 ... 42610 92432 37525 Vnimanaye (msg rptd) Konets	USB	(AB)
S11a	7-11	0445	11559	Thu	794/00 Konets	USB	(TM)
S11a	7-11	0700	9050	Thu	478/00 Konets	USB	(AB)
S11a	8-11	0725	23486	Fri	380/00 Konets	USB	(AB)
S11a	8-11	0915	6252	Fri	485/00 Konets	USB	(AB)
S11a	8-11	1400	10448	Fri	429/00 Konets	USB	(AB)
S11a	9-11	0830	5371	Sat	379/40 Vnimanaye 04992 94770 26357 ... 83336 12759 11990 Vnimanaye (msg rptd) Konets	USB	(AB)
S11a	9-11	1850	11486	Sat	281/37 Vnimanaye 35350 87061 63570 ... 42610 92432 37525 Vnimanaye (msg rptd) Konets	USB	(AB)
S11a	10-11	0830	5371	Sun	379/40 Vnimanaye 04992 94770 26357 ... 83336 12759 11990 Vnimanaye (msg rptd) Konets	USB	(AB)
S11a	11-11	0700	9050	Mon	471/00 Konets	USB	(AB)
S11a	11-11	0915	6252	Mon	483/00 Konets	USB	(AB)
S11a	12-11	0445	11559	Tue	Active (too weak to copy)	USB	(TM)
S11a	12-11	1400	10448	Tue	420/00 Konets	USB	(AB)
S11a	13-11	0725	23486	Wed	385/00 Konets	USB	(AB/Lac)
S11a	13-11	1850	11486	Wed	286/00 Konets	USB	(AB)
S11a	14-11	0445	11559	Thu	Active, too weak to copy	USB	(TM)
S11a	14-11	0700	9050	Thu	475/00 Konets	USB	(AB)
S11a	15-11	0725	23486	Fri	381/00 Konets	USB	(AB)
S11a	15-11	0915	6252	Fri	487/00 Konets	USB	(AB)
S11a	15-11	1400	10448	Fri	427/00 Konets	USB	(AB)
S11a	16-11	0830	5371	Sat	371/00 Konets	USB	(AB)
S11a	16-11	1850	11486	Sat	282/00 Out	USB	(AB)

S11a	17-11	0830	5371	Sun	376/00 Konets	USB	(AB)
S11a	18-11	0700	9050	Mon	477/34 Vnimanaye 37538 80935 73871 ... 83765 92204 50941 Vnimanaye (msg rptd) Konets	USB	(AB)
S11a	18-11	0915	6252	Mon	480/00 Konets	USB	(AB)
S11a	19-11	0445	11559	Tue	791/00 Konets	USB	(Subilo)
S11a	19-11	1400	10448	Tue	420/35 Vnimanaye 12295 70403 64264 ... 50473 15774 66337 Vnimanaye (msg rptd) Konets	USB	(AB)
S11a	20-11	0725	23486	Wed	380/39 Vnimanaye 80591 01362 02375 ... 28202 76447 66212 Vnimanaye (msg rptd) Konets	USB	(AB-KWT)
S11a	20-11	1850	11486	Wed	284/00 Konets	USB	(AB/RL-HOL)
S11a	21-11	0445	11559	Thu	691/00 Konets	USB	(TM)
S11a	21-11	0700	9050	Thu	477/34 Vnimanaye 37538 80935 73871 ... 83765 92204 50941 Vnimanaye (msg rptd) Konets	USB	(AB)
S11a	22-11	0725	23486	Fri	380/39 Vnimanaye 80591 01362 02375 ... 28202 76447 66212 Vnimanaye (msg rptd) Konets	USB	(AB)
S11a	22-11	0915	6252	Fri	483/00 Konets	USB	(AB)
S11a	22-11	1400	10448	Fri	420/35 Vnimanaye 12295 70403 64264 ... 50473 15774 66337 Vnimanaye (msg rptd) Konets	USB	(AB)
S11a	23-11	0830	5371	Sat	379/00 Konets	USB	(AB)
S11a	23-11	1850	11486	Sat	282/00 Konets	USB	(AB)
S11a	24-11	0830	5371	Sun	378/00 Konets	USB	(AB)
S11a	25-11	0700	9050	Mon	475/00 Konets	USB	(AB)
S11a	25-11	0915	6252	Mon	483/32 Vnimanaye 44741 26669 11231 ... 64311 81261 17537 Vnimanaye (msg rptd) Konets	USB	(AB)
S11a	26-11	0445	11559	Tue	798/00 Konets	USB	(TM)
S11a	26-11	1400	10448	Tue	427/00 Konets	USB	(AB)
S11a	27-11	0725	23486	Wed	383/00 Konets	USB	(AB-KWT)
S11a	27-11	1850	11486	Wed	284/00 Out	USB	(AB)
S11a	28-11	0445	11559	Thu	691/00 Konets	USB	(TM)
S11a	28-11	0700	9050	Thu	472/00 Konets	USB	(AB)
S11a	29-11	0725	23486	Fri	381/00 Konets	USB	(AB)
S11a	29-11	0915	6252	Fri	483/32 Vnimanaye 44741 26669 11231 ... 64311 81261 17537 Vnimanaye (msg rptd) Konets	USB	(AB)
S11a	29-11	1400	10448	Fri	427/00 Konets	USB	(AB)
S11a	30-11	0830	5371	Sat	377/00 Konets	USB	(AB)
S11a	30-11	1850	11486	Sat	281/00 Konets	USB	(AB/Lac)
UM04	1-11	0800	4735	Fri	VVV VVV PROMRCh = 01 11 = 1000 1170 1220 1390 1940 ... 0800 0910 0960 1120 1600 = AR	CW	(AB-GRC)
UM04	2-11	0800	4735	Sat	VVV VVV PROMRCh = 0211 = 1000 1180 1230 1400 1950 ... 0800 0920 0970 1130 1610 = AR	CW	(AB-HNG)
UM04	3-11	0800	4735	Sun	VVV VVV PROMRCh = 03 11 = 1000 1190 1240 1410 2120 ... 0800 0920 0970 1130 1630 = AR	CW	(AB-HNG)

UM04	4-11	0800	4735	Mon	VVV VVV PROMRCh = 04 11 = 1000 1200 1250 1420 1970 ... 0800 0920 0970 1130 1620 = AR	CW	(AB-GRC)
UM04	5-11	0800	4735	Tue	VVV VVV PROMRCh = 05 11 = 1000 1210 1250 1430 1980 ... 0800 0930 0970 1140 1630 = AR	CW	(AB-HNG)
UM04	6-11	0800	4735	Wed	VVV VVV PROMRCh = 06 11 = 1000 1210 1260 1440 1990 ... 0800 0930 0980 1140 1630 = AR	CW	(AB-HNG)
UM04	8-11	0803	4735	Fri	VVV VVV PROMRCh = 0811 = 1000 1220 1270 0450 2010 ... 0800 0930 0980 1140 1630 = AR	CW	(AB-GRC)
UM04	9-11	0800	4735	Sat	VVV VVV PROMRCh = 09 11 = 1000 1230 1280 1460 2030 ... 0800 0930 0980 1150 1630 = AR	CW	(AB-HNG)
UM04	10-11	0800	4735	Sun	VVV VVV PROMRCh = 10 11 = 1000 1240 1290 1470 2040 ... 0800 0940 0980 1150 1640 = AR	CW	(AB-HNG)
UM04	11-11	0800	4735	Mon	VVV VVV PROMRCh = 11 11 = 1000 1250 1300 1480 2050 ... 0800 0940 0990 1150 1640 = AR	CW	(AB-GRC)
UM04	12-11	0802	4735	Tue	VVV VVV PROMRCh = 12 11 = 1000 1150 1200 1380 1930 .. 0800 0930 0980 1140 1630 = AR	CW	(AB-HNG)
UM04	13-11	0800	4735	Wed	VVV VVV PROMRCh = 1311 = 1000 1200 1210 1380 1930 ... 0800 0920 0970 1140 1620 = AR	CW	(AB-HNG)
UM04	15-11	0804	4735	Fri	VVV VVV PRGMRCh 15 11 = 1000 1250 1290 1480 2060 ... 0800 0920 0970 1140 1630 = AR	CW	(AB-GRC/SU- bilo)
UM04	16-11	0800	4735	Sat	60 0780 0860 1150 2 silence VVV VVV PROMRCh = 16 11 = 1000 1240 1300 1480 2060 ... 0800 0920 0970 1130 1620 = AR	CW	(AB-HNG)
UM04	17-11	0800	4735	Sun	VVV VVV PROMRCh = 1711 = 1000 1240 1290 1470 2050 ... 0800 0910 0960 1120 1610 = AR	CW	(AB-HNG)
UM04	18-11	0800	4735	Mon	VVV VVV PROMRCh = 18 11 = 1000 1230 1280 1460 2050 ... 0800 0900 0950 1120 1610 = AR	CW	(AB-GRC)
UM04	19-11	0800	4735	Tue	VVV VVV PROMRCh = 19 11 = 1000 1210 1260 1450 2020 ... 0800 0890 0940 1110 1590 = AR	CW	(AB-GRC)
UM04	20-11	0800	4735	Wed	VVV VVV PROMRCh = 2011 = 1000 1200 1250 1440 2020 ... 0800 0880 0930 1100 1580 = AR	CW	(AB-HNG)
UM04	23-11	0800	4735	Sat	VVV VVV PROMRCh = 23 11 = 1000 1170 1220 1410 1990 ... 0800 0850 0900 1070 1550 = AR	CW	(AB-HNG)
UM04	24-11	0800	4735	Sun	VVV VVV PROMRCh = 24 11 = 1000 1160 1210 1400 1980 ... 0800 0850 0890 1060 1540 = AR	CW	(AB-HNG)
UM04	25-11	0800	4735	Mon	VVV VVV PROMRCh = 25 11 = 1000 1150 1210 1400 1970 ... 0800 0840 0890 1050 1530 = AR	CW	(AB-GRC)
UM04	27-11	0800	4735	Wed	VVV VVV PROMRCh = 27 11 = 1000 1140 1190 1380 1960 ... 0800 0820 0870 1040 1500 = AR	CW	(AB-HNG)
UM04	29-11	0801	4735	Fri	VVV VVV PROMRCh = 29 11 = 1000 1070 1130 1310 1870 ... 0800 0810 0860 1020 1490 = AR	CW	(AB-GRC)
UM04	30-11	0800	4735	Sat	VVV VVV PROMRCh = 30 11 = 1000 1120 1170 1360 1940 ... 0800 0810 0850 1020 1490 = AR	CW	(AB-HNG)
UM05	1-11	0833	7542.8	Fri	J (R), Ecrire (R), etc.	CW	(AB)

UM05	2-11	0735	7542.8	Sat	A (R), Fusee (R), O (R), Boucles d oreilles (R), Universite (R), etc.	CW	(AB)
UM05	3-11	0800	7542.8	Sun	Eleve (R), Toucher (R), Idee (R), etc.	CW	(AB)
UM05	5-11	0632	7542.8	Tue	Cle (R), Etoiles (R), Papier (R), Biere (R), Araignee (R), Automne (R), etc.	CW	(AB)
UM05	6-11	0636	7542.8	Wed	Experience (R), Construire (R), etc.	CW	(AB)
UM05	7-11	0646	7542.8	Thu	L (R), Eclair (R), Lampe (R), Theorie (R), Feu (R), etc.	CW	(AB)
UM05	8-11	0753	7542.8	Fri	Sport (R), 6 (R), Colline (R), etc.	CW	(AB)
UM05	9-11	0653	7542.8	Sat	Serpent (R), Calendrier (R), Juin (R), Y (R), S (R), Manteau (R), etc.	CW	(AB)
UM05	10-11	0808	7542.8	Sun	Recette (R), Tsunami (R), Riviere (R), etc.	CW	(AB)
UM05	11-11	0745	7542.8	Mon	Oie (R), 1 (R), Ecole (R), Lion (R), Novembre (R), Tonnerre (R), etc.	CW	(AB)
UM05	12-11	0632	7542.8	Tue	Amer (R), Herbe (R), Juin (R), etc.	CW	(AB)
UM05	13-11	0657	7542.8	Wed	Descendre (R), F (R), Probleme (R), Fevrier (R), etc.	CW	(AB)
UM05	14-11	0648	7542.8	Thu	Vie (R), Tomate (R), etc.	CW	(AB)
UM05	14-11	0800	4735	Thu	VVV VVV PROMRCh = 14 11 = 1000 1250 1300 1480 2060 ... 0800 0930 0980 1140 1630 = AR	CW	(Subilo)
UM05	15-11	0744	7542.8	Fri	Porte clefs (R), 8 (R), Cuisine (R), etc.	CW	(AB)
UM05	15-11	0800	4735	Fri	VVV VVV PRGMRCh = 15 11 = 1000 1250 1290 1480 2060 ... 0800 0920 0970 1140 1630 = AR	CW	(Subilo)
UM05	16-11	0733	7542.8	Sat	Lundi (R), Toiletttes (R), Sante (R), Brosse (R), 8 (R), etc.	CW	(AB)
UM05	17-11	0653	7542.8	Sun	Matin (R), Situation (R), Question (R), Womnat (R), Foret (R), V (R), etc.	CW	(AB)
UM05	18-11	0800	7542.8	Mon	Sousmarin (R), Football (R), Musee (R), etc.	CW	(AB)
UM05	19-11	0708	7542.8	Tue	4 (R), J (R), Arbuste (R), M (R), Lire (R), etc.	CW	(AB)
UM05	20-11	0658	7542.8	Wed	R (R), Sculpture (R), I (R), etc.	CW	(AB)
UM05	21-11	0659	7542.8	Thu	Pantalon (R), Sollier (R), Z (R), Poisson (R), Poele (R), etc.	CW	(AB)
UM05	21-11	0800	4735	Thu	VVV VVV PROMRCh = 21 11 = 1000 1190 1230 1420 1910 ... 0800 0870 0920 1080 1550 = AR	CW	(Subilo)
UM05	22-11	0745	7542.8	Fri	B (R), Herbe (R), Amour (R), Uranus (R), etc.	CW	(AB)
UM05	22-11	0800	4735	Fri	VVV VVV PROMRCh = 22 11 = 1000 1180 1230 1430 2000 ... 0800 0860 0910 1070 1550 = AR	CW	(Subilo)
UM05	23-11	0756	7542.8	Sat	Mai (R), Discours (R), Porte cles (R), Oxygene (R), N (R), Maison (R), etc.	CW	(AB)
UM05	24-11	0830	7542.8	Sun	Ciel (R), Voie (R), Phers (R), Pout (R), etc.	CW	(AB)
UM05	25-11	0800	7542.8	Mon	Sculpture (R), Plat (R), Mardi (R), V (R), etc.	CW	(AB)
UM05	26-11	0637	7542.8	Tue	Idee (R), J (R), E (R), H (R), Carte (R), etc.	CW	(AB)
UM05	26-11	0800	4735	Tue	VVV VVV PROMRCh = 26 11 = 1000 1140 1200 1390 1960 ... 0800 0830 0880 1040 1520 = AR	CW	(Subilo)
UM05	27-11	0803	7542.8	Wed	Maison (R), Nature (R), Ecole (R), Eclair (R), etc.	CW	(AB)
UM05	28-11	0800	4735	Thu	VVV VVV PROMRCh = 28 11 = 1000 1130 1180 1370 1950 ... 0800 0820 0870 1030 1500 = AR	CW	(Subilo)
UM05	28-11	1447	7542.8	Thu	Solaire (R), 6 (R), etc.	CW	(AB)
UM05	29-11	0701	7542.8	Fri	Shampooing (R), Viande (R), Hibou (R), Medicament (R), R (R), etc.	CW	(AB)
UM05	30-11	0706	7542.8	Sat	Ete (R), Armoire (R), E (R), Decouvrir (R), Apprentissage (R), Route (R), etc.	CW	(AB)
UM05	30-11	0800	4735	Sat	VVV VVV PROMRCh = 30 11 = 1000 1120 1170 1360 1940 ... 0800 0810 0850 1020 1490 = AR	CW	(Subilo)
V07	3-11	0200	17431	Sun	414 414 414 1 1757 89 1757 89 09071 25689 89564 ... 81006 94685 90533 000 000	USB	(Dan/HFD-USA)

V07	3-11	0220	16131	Sun	414 414 414 1 1757 89 1757 89 09071 25689 89564 ... 81006 94685 90533 000 000	USB	(HFD-USA)
V07	3-11	0240	14431	Sun	414 414 414 1 1757 89 1757 89 09071 25689 89564 ... 81006 94685 90533 000 000	USB	(HFD-USA)
V07	10-11	0200	17431	Sun	414 414 414 1 1658 79 1658 79 63744 25807 89154 ... 10620 34390 46805 000 000	USB	(Dan)
V07	17-11	0200	17431	Sun	414 414 414 1 1517 69 1517 69 78809 78809 24043 ... 76011 00644 33339 000 000	USB	(Dan)
V07	24-11	0200	17431	Sun	414 414 414 1 5194 119 5194 119 26407 ... (too weak to copy)	USB	(Dan)
V13	3-11	0330	9276	Sun	New Star Broadcasting. Station 2. Messages to units 0620, 2506, 6057	USB	(FSpy)
V13	4-11	0000	15890	Mon	New Star Broadcasting. Station 3. Messages to units 2035, 7831, 8360	AM/USB	(FSpy)
V13	4-11	0100	20025	Mon	New Star Broadcasting. Station 4. Messages to units 5641, 7613, 9429	AM/USB	(FSpy)
V13	7-11	1300	11430	Thu	New Star Broadcasting	USB	(AB)
V13	7-11	1300	14944	Thu	New Star Broadcasting	USB	(AB)
V13	7-11	1300	15388	Thu	New Star Broadcasting	USB	(AB)
V13	8-11	1000	20025	Fri	New Star Broadcasting	USB	(AB)
V13	8-11	1000	20095	Fri	New Star Broadcasting	USB	(AB)
V13	10-11	0001	15890	Sun	New Star Broadcasting. Station 3. Messages to units 0136, 1914, 8712	AM/USB	(FSpy)
V13	10-11	0100	20025	Sun	New Star Broadcasting. Station 4. Messages to units 1175, 1257, 1351	AM/USB	(FSpy)
V13	10-11	0330	9276	Sun	New Star Broadcasting. Station 2. Messages to units 0864, 1167, 1398	USB	(FSpy)
V13	10-11	0330	11430	Sun	New Star Broadcasting. Station 1. Messages to units 1045, 3337, 7051	USB	(FSpy)
V13	10-11	1008	19052	Sun	New Star Broadcasting i.p.	USB	(EW)
V13	15-11	1100	20025	Fri	New Star Broadcasting	USB	(AB)
V13	17-11	0030	15890	Sun	New Star Broadcasting. Station 3. Messages to units 0146, 2778, 8872	USB	(FSpy)
V13	17-11	0130	20025	Sun	New Star Broadcasting. Station 4. Messages to units 3011, 5431, 7247	USB	(FSpy)
V13	18-11	0300	8169	Mon	New Star Broadcasting. Station 1. Messages to units 4391, 7114, 8520	USB	(FSpy/CrLa)
V13	18-11	0300	9276	Mon	New Star Broadcasting. Station 2. Messages to units 6342, 7581, 9447	USB	(FSpy/CrLa)
V13	22-11	1130	20025	Fri	New Star Broadcasting	USB	(AB)
V13	26-11	0030	15890	Tue	New Star Broadcasting. Station 3. Messages to units 3499, 3525, 7504	USB	(FSpy)
V13	26-11	0100	20025	Tue	New Star Broadcasting. Station 4. Messages to units 5698, 6729, 7641	USB	(FSpy)
V13	26-11	2230	8169	Tue	New Star Broadcasting. Station 1. Messages to units 3799, 4009, 9440	USB	(FSpy)
V13	27-11	0330	9276	Wed	New Star Broadcasting. Station 2. Messages to units 3838, 4027, 8537	USB	(FSpy)
V13	27-11	1300	11430	Wed	New Star Broadcasting	USB	(AB)
V13	27-11	1300	14944	Wed	New Star Broadcasting	USB	(AB)
V13	27-11	1300	15388	Wed	New Star Broadcasting	USB	(AB)
V13	29-11	0200	20095	Fri	New Star Broadcasting. Station 5. Messages to units 4057, 4953, 9916	USB	(FSpy/CrLa)
V13	30-11	0100	7688	Sat	New Star Broadcasting. Station 1. Messages to units 3427, 4936, 5428, 6721, 6954, 8355, 8525	USB	(FSpy)
V13a	3-11	0000	18040	Sun	New Star Broadcasting. Station 1. Messages to units 4082, 4218, 4270, 4667, 4943, 5090	AM	(FSpy)
VC01	2-11	0825	6952	Sat	Chinese Air Defense aka Chinese Robot	LSB	(AB)
VC01	2-11	0825	7207	Sat	Chinese Air Defense aka Chinese Robot	USB	(AB)
X--	7-11	0805	18648	Thu	Russian intel.	MFSK-21/MFSK-13	(RL)
X--	7-11	0934	18648	Thu	Russian intel.	MFSK-21/MFSK-13	(AB)
X--	7-11	0938	17423	Thu	Russian intel.	MFSK-21/MFSK-13	(AB)
X--	11-11	0815	18567	Mon	Russian intel.	MFSK-21/MFSK-13	(RL)
X--	12-11	1028	17456	Tue	Russian intel.	MFSK-21/MFSK-13	(AB)

X--	12-11	1031	15657	Tue	Russian intel.	MFSK-21/MFSK-13	(AB)
X--	12-11	1109	17456	Tue	Russian intel.	MFSK-21/MFSK-13	(AB)
X--	12-11	1113	15657	Tue	Russian intel.	MFSK-21/MFSK-13	(AB)
X--	12-11	1205	18641	Tue	Russian intel.	MFSK-21/MFSK-13	(AB)
X--	12-11	1208	17472	Tue	Russian intel.	MFSK-21/MFSK-13	(AB)
X--	12-11	1233	18641	Tue	Russian intel.	MFSK-21/MFSK-13	(AB)
X--	12-11	1237	17469	Tue	Russian intel.	MFSK-21/MFSK-13	(AB)
X--	12-11	1243	15667	Tue	Russian intel.	MFSK-21/MFSK-13	(AB)
X--	12-11	1245	13448	Tue	Russian intel.	MFSK-21/MFSK-13	(AB)
X--	12-11	1259	18654	Tue	Russian intel.	MFSK-21/MFSK-13	(AB)
X--	12-11	1302	17456	Tue	Russian intel.	MFSK-21/MFSK-13	(AB)
X--	12-11	1458	17425	Tue	Russian intel.	MFSK-21/MFSK-13	(AB)
X--	12-11	1502	15623	Tue	Russian intel.	MFSK-21/MFSK-13	(AB)
X--	12-11	1506	13392	Tue	Russian intel.	MFSK-21/MFSK-13	(AB)
X--	18-11	0840	18569	Mon	Russian intel.	MFSK-21/MFSK-13	(AB/RL)
X--	18-11	0846	16274	Mon	Russian intel.	MFSK-21/MFSK-13	(AB)
X--	18-11	1210	13398	Mon	Russian intel.	MFSK-21/MFSK-13	(AB)
X--	18-11	1220	14798	Mon	Russian intel.	MFSK-21/MFSK-13	(AB)
X--	18-11	1240	18298	Mon	Russian intel.	MFSK-21/MFSK-13	(AB)
X--	18-11	1250	19198	Mon	Russian intel.	MFSK-21/MFSK-13	(AB)
X--	18-11	1420	18373	Mon	Russian intel.	MFSK-21/MFSK-13	(AB)
X--	18-11	1430	17472	Mon	Russian intel.	MFSK-21/MFSK-13	(AB)
X--	19-11	0929	16340	Tue	Russian intel.	MFSK-21/MFSK-13	(AB)
X--	19-11	1023	16340	Tue	Russian intel.	MFSK-21/MFSK-13	(AB)
X--	19-11	1130	14757	Tue	Russian intel.	MFSK-21/MFSK-13	(AB)
X--	19-11	1140	15857	Tue	Russian intel.	MFSK-21/MFSK-13	(AB)
X--	19-11	1150	17467	Tue	Russian intel.	MFSK-21/MFSK-13	(AB)
X--	20-11	0640	18224	Wed	Russian intel.	MFSK-21/MFSK-13	(AB)
X--	20-11	0647	16118	Wed	Russian intel.	MFSK-21/MFSK-13	(AB)
X--	20-11	0740	18224	Wed	Russian intel.	MFSK-21/MFSK-13	(AB)
X--	20-11	0746	16118	Wed	Russian intel.	MFSK-21/MFSK-13	(AB)
X--	20-11	0750	14772	Wed	Russian intel.	MFSK-21/MFSK-13	(AB)
X--	20-11	0835	18050	Wed	Russian intel.	MFSK-21/MFSK-13	(AB)
X--	20-11	0840	18224	Wed	Russian intel.	MFSK-21/MFSK-13	(AB/RL)
X--	20-11	0844	16137	Wed	Russian intel.	MFSK-21/MFSK-13	(AB)
X--	20-11	0848	16118	Wed	Russian intel.	MFSK-21/MFSK-13	(AB)
X--	20-11	0920	18224	Wed	Russian intel.	MFSK-21/MFSK-13	(AB)
X--	20-11	0940	18224	Wed	Russian intel.	MFSK-21/MFSK-13	(AB)
X--	20-11	0947	16118	Wed	Russian intel.	MFSK-21/MFSK-13	(AB)
X--	20-11	0950	14772	Wed	Russian intel.	MFSK-21/MFSK-13	(AB)
X--	20-11	1051	14772	Wed	Russian intel.	MFSK-21/MFSK-13	(AB)
X--	20-11	1119	18224	Wed	Russian intel.	MFSK-21/MFSK-13	(AB)
X--	20-11	1140	18224	Wed	Russian intel.	MFSK-21/MFSK-13	(AB)

X--	20-11	1143	18192	Wed	Russian intel.	MFSK-21/MFSK-13	(RL)
X--	20-11	1150	16118	Wed	Russian intel.	MFSK-21/MFSK-13	(AB)
X--	20-11	1153	14772	Wed	Russian intel.	MFSK-21/MFSK-13	(AB)
X--	20-11	1243	10874	Wed	Russian intel.	MFSK-21/MFSK-13	(AB)
X--	20-11	1300	18237	Wed	Russian intel.	MFSK-21/MFSK-13	(AB)
X--	20-11	1342	10874	Wed	Russian intel.	MFSK-21/MFSK-13	(AB)
X--	20-11	1343	10874	Wed	Russian intel.	MFSK-21/MFSK-13	(AB)
X--	20-11	1351	9138	Wed	Russian intel.	MFSK-21/MFSK-13	(AB)
X--	20-11	1451	9138	Wed	Russian intel.	MFSK-21/MFSK-13	(AB)
X--	20-11	1456	8124	Wed	Russian intel.	MFSK-21/MFSK-13	(AB)
X--	20-11	1543	10874	Wed	Russian intel.	MFSK-21/MFSK-13	(AB)
X--	20-11	1551	9138	Wed	Russian intel.	MFSK-21/MFSK-13	(AB)
X--	20-11	1555	8124	Wed	Russian intel.	MFSK-21/MFSK-13	(AB)
X--	20-11	1643	10874	Wed	Russian intel.	MFSK-21/MFSK-13	(AB)
X--	20-11	1651	9138	Wed	Russian intel.	MFSK-21/MFSK-13	(AB)
X--	20-11	1655	8124	Wed	Russian intel.	MFSK-21/MFSK-13	(AB)
X--	20-11	1750	9138	Wed	Russian intel.	MFSK-21/MFSK-13	(AB)
X--	20-11	1755	8124	Wed	Russian intel.	MFSK-21/MFSK-13	(AB)
X--	20-11	1851	9138	Wed	Russian intel.	MFSK-21/MFSK-13	(AB)
X--	20-11	1855	8124	Wed	Russian intel.	MFSK-21/MFSK-13	(AB)
X--	20-11	1952	9138	Wed	Russian intel.	MFSK-21/MFSK-13	(AB)
X--	20-11	1955	8124	Wed	Russian intel.	MFSK-21/MFSK-13	(AB)
X--	21-11	0554	13448	Thu	Russian intel.	MFSK-21/MFSK-13	(AB)
X--	21-11	0620	18224	Thu	Russian intel.	MFSK-21/MFSK-13	(AB)
X--	21-11	0640	18224	Thu	Russian intel.	MFSK-21/MFSK-13	(AB)
X--	21-11	0647	16118	Thu	Russian intel.	MFSK-21/MFSK-13	(AB)
X--	21-11	0650	14772	Thu	Russian intel.	MFSK-21/MFSK-13	(AB)
X--	21-11	0654	13448	Thu	Russian intel.	MFSK-21/MFSK-13	(AB)
X--	21-11	0720	18224	Thu	Russian intel.	MFSK-21/MFSK-13	(AB)
X--	21-11	0740	18224	Thu	Russian intel.	MFSK-21/MFSK-13	(AB)
X--	21-11	0747	16118	Thu	Russian intel.	MFSK-21/MFSK-13	(AB)
X--	21-11	0750	14772	Thu	Russian intel.	MFSK-21/MFSK-13	(AB)
X--	21-11	0754	13448	Thu	Russian intel.	MFSK-21/MFSK-13	(AB)
X--	21-11	0840	18224	Thu	Russian intel.	MFSK-21/MFSK-13	(AB)
X--	21-11	0847	16118	Thu	Russian intel.	MFSK-21/MFSK-13	(AB)
X--	21-11	0850	14772	Thu	Russian intel.	MFSK-21/MFSK-13	(AB)
X--	21-11	0854	13448	Thu	Russian intel.	MFSK-21/MFSK-13	(AB)
X--	21-11	0920	18224	Thu	Russian intel.	MFSK-21/MFSK-13	(AB)
X--	21-11	0935	13448	Thu	Russian intel.	MFSK-21/MFSK-13	(AB)
X--	21-11	0940	18224	Thu	Russian intel.	MFSK-21/MFSK-13	(AB)
X--	21-11	0947	16118	Thu	Russian intel.	MFSK-21/MFSK-13	(AB)
X--	21-11	0950	14772	Thu	Russian intel.	MFSK-21/MFSK-13	(AB)
X--	21-11	0954	13448	Thu	Russian intel.	MFSK-21/MFSK-13	(AB)

X--	21-11	1020	18224	Thu	Russian intel.	MFSK-21/MFSK-13	(AB)
X--	21-11	1035	13448	Thu	Russian intel.	MFSK-21/MFSK-13	(AB)
X--	21-11	1040	18224	Thu	Russian intel.	MFSK-21/MFSK-13	(AB)
X--	21-11	1047	16118	Thu	Russian intel.	MFSK-21/MFSK-13	(AB)
X--	21-11	1050	14772	Thu	Russian intel.	MFSK-21/MFSK-13	(AB)
X--	21-11	1054	13448	Thu	Russian intel.	MFSK-21/MFSK-13	(AB)
X--	21-11	1120	18224	Thu	Russian intel.	MFSK-21/MFSK-13	(AB)
X--	21-11	1135	13448	Thu	Russian intel.	MFSK-21/MFSK-13	(AB)
X--	21-11	1140	18224	Thu	Russian intel.	MFSK-21/MFSK-13	(AB)
X--	21-11	1147	16118	Thu	Russian intel.	MFSK-21/MFSK-13	(AB)
X--	21-11	1152	14772	Thu	Russian intel.	MFSK-21/MFSK-13	(AB)
X--	21-11	1154	13448	Thu	Russian intel.	MFSK-21/MFSK-13	(AB)
X--	21-11	1251	9138	Thu	Russian intel.	MFSK-21/MFSK-13	(AB)
X--	21-11	1255	8124	Thu	Russian intel.	MFSK-21/MFSK-13	(AB)
X--	21-11	1352	9138	Thu	Russian intel.	MFSK-21/MFSK-13	(AB)
X--	21-11	1355	8124	Thu	Russian intel.	MFSK-21/MFSK-13	(AB)
X--	21-11	1355	8124	Thu	Russian intel.	MFSK-21/MFSK-13	(AB)
X--	21-11	1451	9138	Thu	Russian intel.	MFSK-21/MFSK-13	(AB)
X--	21-11	1456	8124	Thu	Russian intel.	MFSK-21/MFSK-13	(AB)
X--	21-11	1551	9138	Thu	Russian intel.	MFSK-21/MFSK-13	(AB)
X--	21-11	1555	8124	Thu	Russian intel.	MFSK-21/MFSK-13	(AB)
X--	21-11	1651	9138	Thu	Russian intel.	MFSK-21/MFSK-13	(AB)
X--	21-11	1655	8124	Thu	Russian intel.	MFSK-21/MFSK-13	(AB)
X--	21-11	1750	9138	Thu	Russian intel.	MFSK-21/MFSK-13	(AB)
X--	21-11	1754	8124	Thu	Russian intel.	MFSK-21/MFSK-13	(AB)
X--	21-11	1854	8124	Thu	Russian intel.	MFSK-21/MFSK-13	(AB)
X--	21-11	1934	9138	Thu	Russian intel.	MFSK-21/MFSK-13	(AB)
X--	21-11	1939	8124	Thu	Russian intel.	MFSK-21/MFSK-13	(AB)
X--	21-11	1958	8124	Thu	Russian intel.	MFSK-21/MFSK-13	(AB)
X--	22-11	0547	16118	Fri	Russian intel.	MFSK-21/MFSK-13	(AB)
X--	22-11	0640	18224	Fri	Russian intel.	MFSK-21/MFSK-13	(AB)
X--	22-11	0647	16118	Fri	Russian intel.	MFSK-21/MFSK-13	(AB)
X--	22-11	0651	14772	Fri	Russian intel.	MFSK-21/MFSK-13	(AB)
X--	22-11	0720	18637	Fri	Russian intel.	MFSK-21/MFSK-13	(RL)
X--	22-11	0740	18224	Fri	Russian intel.	MFSK-21/MFSK-13	(AB)
X--	22-11	0749	16118	Fri	Russian intel.	MFSK-21/MFSK-13	(AB)
X--	22-11	0752	14772	Fri	Russian intel.	MFSK-21/MFSK-13	(AB)
X--	22-11	0840	18224	Fri	Russian intel.	MFSK-21/MFSK-13	(AB)
X--	22-11	0848	16118	Fri	Russian intel.	MFSK-21/MFSK-13	(AB)
X--	22-11	0853	14772	Fri	Russian intel.	MFSK-21/MFSK-13	(AB)
X--	22-11	0935	13448	Fri	Russian intel.	MFSK-21/MFSK-13	(AB)
X--	22-11	0940	18224	Fri	Russian intel.	MFSK-21/MFSK-13	(AB)
X--	22-11	0948	16118	Fri	Russian intel.	MFSK-21/MFSK-13	(AB)

X--	22-11	0952	14772	Fri	Russian intel.	MFSK-21/MFSK-13	(AB)
X--	22-11	1035	13448	Fri	Russian intel.	MFSK-21/MFSK-13	(AB)
X--	22-11	1040	18224	Fri	Russian intel.	MFSK-21/MFSK-13	(AB)
X--	22-11	1047	16118	Fri	Russian intel.	MFSK-21/MFSK-13	(AB)
X--	22-11	1051	14772	Fri	Russian intel.	MFSK-21/MFSK-13	(AB)
X--	22-11	1135	13448	Fri	Russian intel.	MFSK-21/MFSK-13	(AB)
X--	22-11	1140	18224	Fri	Russian intel.	MFSK-21/MFSK-13	(AB)
X--	22-11	1341	12176	Fri	Russian intel.	MFSK-21/MFSK-13	(AB)
X--	22-11	1441	12176	Fri	Russian intel.	MFSK-21/MFSK-13	(AB)
X--	22-11	1448	9258	Fri	Russian intel.	MFSK-21/MFSK-13	(AB)
X--	22-11	1450	8124	Fri	Russian intel.	MFSK-21/MFSK-13	(AB)
X--	22-11	1541	12176	Fri	Russian intel.	MFSK-21/MFSK-13	(AB)
X--	22-11	1547	9258	Fri	Russian intel.	MFSK-21/MFSK-13	(AB)
X--	22-11	1550	8124	Fri	Russian intel.	MFSK-21/MFSK-13	(AB)
X--	22-11	1640	12176	Fri	Russian intel.	MFSK-21/MFSK-13	(AB)
X--	22-11	1647	9258	Fri	Russian intel.	MFSK-21/MFSK-13	(AB)
X--	22-11	1650	8124	Fri	Russian intel.	MFSK-21/MFSK-13	(AB)
X--	22-11	1740	12176	Fri	Russian intel.	MFSK-21/MFSK-13	(AB)
X--	22-11	1747	9258	Fri	Russian intel.	MFSK-21/MFSK-13	(AB)
X--	22-11	1751	8124	Fri	Russian intel.	MFSK-21/MFSK-13	(AB)
X--	23-11	0640	18224	Sat	Russian intel.	MFSK-21/MFSK-13	(AB)
X--	23-11	0648	16118	Sat	Russian intel.	MFSK-21/MFSK-13	(AB)
X--	23-11	0651	14772	Sat	Russian intel.	MFSK-21/MFSK-13	(AB)
X--	23-11	0653	13448	Sat	Russian intel.	MFSK-21/MFSK-13	(AB)
X--	23-11	0720	18224	Sat	Russian intel.	MFSK-21/MFSK-13	(AB)
X--	23-11	0728	16118	Sat	Russian intel.	MFSK-21/MFSK-13	(AB)
X--	23-11	0731	14772	Sat	Russian intel.	MFSK-21/MFSK-13	(AB)
X--	23-11	0740	18224	Sat	Russian intel.	MFSK-21/MFSK-13	(AB)
X--	23-11	0748	16118	Sat	Russian intel.	MFSK-21/MFSK-13	(AB)
X--	23-11	0751	14772	Sat	Russian intel.	MFSK-21/MFSK-13	(AB)
X--	23-11	0753	13448	Sat	Russian intel.	MFSK-21/MFSK-13	(AB)
X--	23-11	0820	18224	Sat	Russian intel.	MFSK-21/MFSK-13	(AB)
X--	23-11	0828	16118	Sat	Russian intel.	MFSK-21/MFSK-13	(AB)
X--	23-11	0840	18224	Sat	Russian intel.	MFSK-21/MFSK-13	(AB)
X--	23-11	0847	16118	Sat	Russian intel.	MFSK-21/MFSK-13	(AB)
X--	23-11	0851	14772	Sat	Russian intel.	MFSK-21/MFSK-13	(AB)
X--	23-11	0854	13448	Sat	Russian intel.	MFSK-21/MFSK-13	(AB)
X--	23-11	0919	18224	Sat	Russian intel.	MFSK-21/MFSK-13	(AB)
X--	23-11	0927	16118	Sat	Russian intel.	MFSK-21/MFSK-13	(AB)
X--	23-11	0931	14772	Sat	Russian intel.	MFSK-21/MFSK-13	(AB)
X--	23-11	0934	13448	Sat	Russian intel.	MFSK-21/MFSK-13	(AB)
X--	23-11	0940	18224	Sat	Russian intel.	MFSK-21/MFSK-13	(AB)
X--	23-11	0948	16118	Sat	Russian intel.	MFSK-21/MFSK-13	(AB)

X--	23-11	0952	14772	Sat	Russian intel.	MFSK-21/MFSK-13	(AB)
X--	23-11	0956	13448	Sat	Russian intel.	MFSK-21/MFSK-13	(AB)
X--	23-11	1019	18224	Sat	Russian intel.	MFSK-21/MFSK-13	(AB)
X--	23-11	1027	16118	Sat	Russian intel.	MFSK-21/MFSK-13	(AB)
X--	23-11	1030	14772	Sat	Russian intel.	MFSK-21/MFSK-13	(AB)
X--	23-11	1035	13448	Sat	Russian intel.	MFSK-21/MFSK-13	(AB)
X--	23-11	1040	18224	Sat	Russian intel.	MFSK-21/MFSK-13	(AB)
X--	23-11	1048	16118	Sat	Russian intel.	MFSK-21/MFSK-13	(AB)
X--	23-11	1052	14772	Sat	Russian intel.	MFSK-21/MFSK-13	(AB)
X--	23-11	1056	13448	Sat	Russian intel.	MFSK-21/MFSK-13	(AB)
X--	23-11	1119	18224	Sat	Russian intel.	MFSK-21/MFSK-13	(AB)
X--	23-11	1127	16118	Sat	Russian intel.	MFSK-21/MFSK-13	(AB)
X--	23-11	1127	16118	Sat	Russian intel.	MFSK-21/MFSK-13	(AB)
X--	23-11	1131	14772	Sat	Russian intel.	MFSK-21/MFSK-13	(AB)
X--	23-11	1135	13448	Sat	Russian intel.	MFSK-21/MFSK-13	(AB)
X--	23-11	1142	18224	Sat	Russian intel.	MFSK-21/MFSK-13	(AB)
X--	23-11	1149	16118	Sat	Russian intel.	MFSK-21/MFSK-13	(AB)
X--	23-11	1153	14772	Sat	Russian intel.	MFSK-21/MFSK-13	(AB)
X--	23-11	1157	13448	Sat	Russian intel.	MFSK-21/MFSK-13	(AB)
X--	23-11	1241	12176	Sat	Russian intel.	MFSK-21/MFSK-13	(AB)
X--	23-11	1243	10874	Sat	Russian intel.	MFSK-21/MFSK-13	(AB)
X--	23-11	1247	9258	Sat	Russian intel.	MFSK-21/MFSK-13	(AB)
X--	23-11	1340	12176	Sat	Russian intel.	MFSK-21/MFSK-13	(AB)
X--	23-11	1343	10874	Sat	Russian intel.	MFSK-21/MFSK-13	(AB)
X--	23-11	1348	9258	Sat	Russian intel.	MFSK-21/MFSK-13	(AB)
X--	23-11	1430	8124	Sat	Russian intel.	MFSK-21/MFSK-13	(AB)
X--	23-11	1441	12176	Sat	Russian intel.	MFSK-21/MFSK-13	(AB)
X--	23-11	1443	10874	Sat	Russian intel.	MFSK-21/MFSK-13	(AB)
X--	23-11	1446	9258	Sat	Russian intel.	MFSK-21/MFSK-13	(AB)
X--	23-11	1450	8124	Sat	Russian intel.	MFSK-21/MFSK-13	(AB)
X--	23-11	1523	10874	Sat	Russian intel.	MFSK-21/MFSK-13	(AB)
X--	23-11	1527	9258	Sat	Russian intel.	MFSK-21/MFSK-13	(AB)
X--	23-11	1531	8124	Sat	Russian intel.	MFSK-21/MFSK-13	(AB)
X--	23-11	1540	12176	Sat	Russian intel.	MFSK-21/MFSK-13	(AB)
X--	23-11	1543	10874	Sat	Russian intel.	MFSK-21/MFSK-13	(AB)
X--	23-11	1546	9258	Sat	Russian intel.	MFSK-21/MFSK-13	(AB)
X--	23-11	1550	8124	Sat	Russian intel.	MFSK-21/MFSK-13	(AB)
X--	23-11	1623	10874	Sat	Russian intel.	MFSK-21/MFSK-13	(AB)
X--	23-11	1627	9258	Sat	Russian intel.	MFSK-21/MFSK-13	(AB)
X--	23-11	1631	8124	Sat	Russian intel.	MFSK-21/MFSK-13	(AB)
X--	23-11	1636	7632	Sat	Russian intel.	MFSK-21/MFSK-13	(AB)
X--	23-11	1641	12176	Sat	Russian intel.	MFSK-21/MFSK-13	(AB)
X--	23-11	1643	10874	Sat	Russian intel.	MFSK-21/MFSK-13	(AB)

X--	23-11	1646	9258	Sat	Russian intel.	MFSK-21/MFSK-13	(AB)
X--	23-11	1649	8124	Sat	Russian intel.	MFSK-21/MFSK-13	(AB)
X--	23-11	1731	8124	Sat	Russian intel.	MFSK-21/MFSK-13	(AB)
X--	23-11	1736	7632	Sat	Russian intel.	MFSK-21/MFSK-13	(AB)
X--	23-11	1741	12176	Sat	Russian intel.	MFSK-21/MFSK-13	(AB)
X--	23-11	1745	10874	Sat	Russian intel.	MFSK-21/MFSK-13	(AB)
X--	23-11	1747	9258	Sat	Russian intel.	MFSK-21/MFSK-13	(AB)
X--	23-11	1750	8124	Sat	Russian intel.	MFSK-21/MFSK-13	(AB)
X--	23-11	1947	6854	Sat	Russian intel.	MFSK-21/MFSK-13	(AB)
X--	23-11	2046	6854	Sat	Russian intel.	MFSK-21/MFSK-13	(AB)
X--	23-11	2146	6854	Sat	Russian intel.	MFSK-21/MFSK-13	(AB)
X--	23-11	2246	6854	Sat	Russian intel.	MFSK-21/MFSK-13	(AB)
X--	23-11	2346	6854	Sat	Russian intel.	MFSK-21/MFSK-13	(AB)
X--	24-11	0047	6854	Sun	Russian intel.	MFSK-21/MFSK-13	(AB)
X--	24-11	0146	6854	Sun	Russian intel.	MFSK-21/MFSK-13	(AB)
X--	24-11	0247	6854	Sun	Russian intel.	MFSK-21/MFSK-13	(AB)
X--	24-11	0346	6854	Sun	Russian intel.	MFSK-21/MFSK-13	(AB)
X--	24-11	0640	18224	Sun	Russian intel.	MFSK-21/MFSK-13	(AB)
X--	24-11	0648	16118	Sun	Russian intel.	MFSK-21/MFSK-13	(AB)
X--	24-11	0651	14772	Sun	Russian intel.	MFSK-21/MFSK-13	(AB)
X--	24-11	0653	13448	Sun	Russian intel.	MFSK-21/MFSK-13	(AB)
X--	24-11	0719	18224	Sun	Russian intel.	MFSK-21/MFSK-13	(AB)
X--	24-11	0727	16118	Sun	Russian intel.	MFSK-21/MFSK-13	(AB)
X--	24-11	0731	14772	Sun	Russian intel.	MFSK-21/MFSK-13	(AB)
X--	24-11	0735	13448	Sun	Russian intel.	MFSK-21/MFSK-13	(AB)
X--	24-11	0740	18224	Sun	Russian intel.	MFSK-21/MFSK-13	(AB)
X--	24-11	0748	16118	Sun	Russian intel.	MFSK-21/MFSK-13	(AB)
X--	24-11	0751	14772	Sun	Russian intel.	MFSK-21/MFSK-13	(AB)
X--	24-11	0753	13448	Sun	Russian intel.	MFSK-21/MFSK-13	(AB)
X--	24-11	0820	18224	Sun	Russian intel.	MFSK-21/MFSK-13	(AB)
X--	24-11	0827	16118	Sun	Russian intel.	MFSK-21/MFSK-13	(AB)
X--	24-11	0831	14772	Sun	Russian intel.	MFSK-21/MFSK-13	(AB)
X--	24-11	0834	13448	Sun	Russian intel.	MFSK-21/MFSK-13	(AB)
X--	24-11	0839	18224	Sun	Russian intel.	MFSK-21/MFSK-13	(AB)
X--	24-11	0847	16118	Sun	Russian intel.	MFSK-21/MFSK-13	(AB)
X--	24-11	0849	14772	Sun	Russian intel.	MFSK-21/MFSK-13	(AB)
X--	24-11	0852	13448	Sun	Russian intel.	MFSK-21/MFSK-13	(AB)
X--	24-11	0919	18224	Sun	Russian intel.	MFSK-21/MFSK-13	(AB)
X--	24-11	0928	16118	Sun	Russian intel.	MFSK-21/MFSK-13	(AB)
X--	24-11	0932	14772	Sun	Russian intel.	MFSK-21/MFSK-13	(AB)
X--	24-11	0936	13448	Sun	Russian intel.	MFSK-21/MFSK-13	(AB)
X--	24-11	0939	18224	Sun	Russian intel.	MFSK-21/MFSK-13	(AB)
X--	24-11	0946	16118	Sun	Russian intel.	MFSK-21/MFSK-13	(AB)

X--	24-11	0949	14772	Sun	Russian intel.	MFSK-21/MFSK-13	(AB)
X--	24-11	0952	13448	Sun	Russian intel.	MFSK-21/MFSK-13	(AB)
X--	24-11	1019	18224	Sun	Russian intel.	MFSK-21/MFSK-13	(AB)
X--	24-11	1027	16118	Sun	Russian intel.	MFSK-21/MFSK-13	(AB)
X--	24-11	1030	14772	Sun	Russian intel.	MFSK-21/MFSK-13	(AB)
X--	24-11	1035	13448	Sun	Russian intel.	MFSK-21/MFSK-13	(AB)
X--	24-11	1040	18224	Sun	Russian intel.	MFSK-21/MFSK-13	(AB)
X--	24-11	1047	16118	Sun	Russian intel.	MFSK-21/MFSK-13	(AB)
X--	24-11	1050	14772	Sun	Russian intel.	MFSK-21/MFSK-13	(AB)
X--	24-11	1053	13448	Sun	Russian intel.	MFSK-21/MFSK-13	(AB)
X--	24-11	1119	18224	Sun	Russian intel.	MFSK-21/MFSK-13	(AB)
X--	24-11	1132	14772	Sun	Russian intel.	MFSK-21/MFSK-13	(AB)
X--	24-11	1136	13448	Sun	Russian intel.	MFSK-21/MFSK-13	(AB)
X--	24-11	1139	18224	Sun	Russian intel.	MFSK-21/MFSK-13	(AB)
X--	24-11	1146	16118	Sun	Russian intel.	MFSK-21/MFSK-13	(AB)
X--	24-11	1149	14772	Sun	Russian intel.	MFSK-21/MFSK-13	(AB)
X--	24-11	1153	13448	Sun	Russian intel.	MFSK-21/MFSK-13	(AB)
X--	24-11	1244	10874	Sun	Russian intel.	MFSK-21/MFSK-13	(AB)
X--	24-11	1340	12176	Sun	Russian intel.	MFSK-21/MFSK-13	(AB)
X--	24-11	1344	10874	Sun	Russian intel.	MFSK-21/MFSK-13	(AB)
X--	24-11	1423	10874	Sun	Russian intel.	MFSK-21/MFSK-13	(AB)
X--	24-11	1428	9258	Sun	Russian intel.	MFSK-21/MFSK-13	(AB)
X--	24-11	1432	8124	Sun	Russian intel.	MFSK-21/MFSK-13	(AB)
X--	24-11	1439	12176	Sun	Russian intel.	MFSK-21/MFSK-13	(AB)
X--	24-11	1442	10874	Sun	Russian intel.	MFSK-21/MFSK-13	(AB)
X--	24-11	1446	9258	Sun	Russian intel.	MFSK-21/MFSK-13	(AB)
X--	24-11	1450	8124	Sun	Russian intel.	MFSK-21/MFSK-13	(AB)
X--	24-11	1518	12176	Sun	Russian intel.	MFSK-21/MFSK-13	(AB)
X--	24-11	1523	10874	Sun	Russian intel.	MFSK-21/MFSK-13	(AB)
X--	24-11	1527	9258	Sun	Russian intel.	MFSK-21/MFSK-13	(AB)
X--	24-11	1532	8124	Sun	Russian intel.	MFSK-21/MFSK-13	(AB)
X--	24-11	1536	7632	Sun	Russian intel.	MFSK-21/MFSK-13	(AB)
X--	24-11	1539	12176	Sun	Russian intel.	MFSK-21/MFSK-13	(AB)
X--	24-11	1543	10874	Sun	Russian intel.	MFSK-21/MFSK-13	(AB)
X--	24-11	1546	9258	Sun	Russian intel.	MFSK-21/MFSK-13	(AB)
X--	24-11	1552	8124	Sun	Russian intel.	MFSK-21/MFSK-13	(AB)
X--	24-11	1623	10874	Sun	Russian intel.	MFSK-21/MFSK-13	(AB)
X--	24-11	1628	9258	Sun	Russian intel.	MFSK-21/MFSK-13	(AB)
X--	24-11	1632	8124	Sun	Russian intel.	MFSK-21/MFSK-13	(AB)
X--	24-11	1636	7632	Sun	Russian intel.	MFSK-21/MFSK-13	(AB)
X--	24-11	1639	12176	Sun	Russian intel.	MFSK-21/MFSK-13	(AB)
X--	24-11	1643	10874	Sun	Russian intel.	MFSK-21/MFSK-13	(AB)
X--	24-11	1644	9258	Sun	Russian intel.	MFSK-21/MFSK-13	(AB)

X--	24-11	1650	8124	Sun	Russian intel.	MFSK-21/MFSK-13	(AB)
X--	24-11	1653	7632	Sun	Russian intel.	MFSK-21/MFSK-13	(AB)
X--	24-11	1718	12176	Sun	Russian intel.	MFSK-21/MFSK-13	(AB)
X--	24-11	1728	9258	Sun	Russian intel.	MFSK-21/MFSK-13	(AB)
X--	24-11	1733	8124	Sun	Russian intel.	MFSK-21/MFSK-13	(AB)
X--	24-11	1736	7632	Sun	Russian intel.	MFSK-21/MFSK-13	(AB)
X--	24-11	1739	12176	Sun	Russian intel.	MFSK-21/MFSK-13	(AB)
X--	24-11	1742	10874	Sun	Russian intel.	MFSK-21/MFSK-13	(AB)
X--	24-11	1746	9258	Sun	Russian intel.	MFSK-21/MFSK-13	(AB)
X--	24-11	1749	8124	Sun	Russian intel.	MFSK-21/MFSK-13	(AB)
X--	24-11	1752	7632	Sun	Russian intel.	MFSK-21/MFSK-13	(AB)
X--	24-11	1847	6854	Sun	Russian intel.	MFSK-21/MFSK-13	(AB)
X--	24-11	1946	6854	Sun	Russian intel.	MFSK-21/MFSK-13	(AB)
X--	24-11	2046	6854	Sun	Russian intel.	MFSK-21/MFSK-13	(AB)
X--	24-11	2146	6854	Sun	Russian intel.	MFSK-21/MFSK-13	(AB)
X--	24-11	2247	6854	Sun	Russian intel.	MFSK-21/MFSK-13	(AB)
X--	24-11	2347	6854	Sun	Russian intel.	MFSK-21/MFSK-13	(AB)
X06	1-11	0919	14570	Fri	MFA Moscow clg 324615: Russian embassy Madrid	MFSK-6	(RO)
X06	1-11	1015	14824	Fri	MFA Moscow clg 625413: Russian embassy Tel Aviv	MFSK-6	(Moon)
X06	5-11	0903	17454	Tue	MFA Moscow clg 325614: Russian embassy Nairobi	MFSK-6	(RO)
X06	5-11	0949	12149	Tue	MFA Moscow clg 154263: Russian embassy Rome	MFSK-6	(AB/Moon)
X06	6-11	1216	19878	Wed	MFA Moscow clg 256134: Russian embassy Abuja	MFSK-6	(Moon)
X06	6-11	1244	18194	Wed	MFA Moscow clg 231654: Russian embassy Abuja	MFSK-6	(AB/Moon)
X06	7-11	0738	18575	Thu	MFA Moscow clg 352416: Russian embassy Dar es Salaam	MFSK-6	(AB/RL)
X06	7-11	0740	18575	Thu	MFA Moscow clg 352416: Russian embassy Dar es Salaam	MFSK-6	(RL)
X06	7-11	0808	19858	Thu	MFA Moscow clg 351264: Russian embassy Abu Dhabi	MFSK-6	(Moon)
X06	7-11	0817	17534	Thu	MFA Moscow clg 351264: Russian embassy Abu Dhabi	MFSK-6	(Moon)
X06	7-11	0915	18197	Thu	MFA Moscow clg 645321: Russian Consulate General Ho Chi Minh City	MFSK-6	(Moon)
X06	7-11	0922	20837	Thu	MFA Moscow clg 645321: Russian Consulate General Ho Chi Minh City	MFSK-6	(Moon)
X06	7-11	1040	14414	Thu	MFA Moscow clg 145632: Russian embassy Algiers	MFSK-6	(Moon)
X06	15-11	0838	14828	Fri	MFA Moscow clg 213546: Russian embassy Islamabad	MFSK-6	(AB)
X06	15-11	1326	16320	Fri	MFA Moscow clg 241563: Russian Consulate General Karachi	MFSK-6	(AB)
X06	18-11	0831	12152	Mon	MFA Moscow clg 432516: Russian embassy Bern	MFSK-6	(AB/Moon)
X06	18-11	0908	14392	Mon	MFA Moscow clg 532614: Russian embassy Paris	MFSK-6	(AB/RO)
X06	19-11	0749	14615	Tue	MFA Moscow clg 125643: Russian embassy Ulaanbataar	MFSK-6	(AB/Moon)
X06	19-11	0839	17454	Tue	MFA Moscow clg 325614: Russian embassy Nairobi	MFSK-6	(AB/Moon)
X06	19-11	0921	11085	Tue	MFA Moscow clg 154263: Russian embassy Rome	MFSK-6	(AB)
X06	19-11	0929	13401	Tue	MFA Moscow clg 154263: Russian embassy Rome	MFSK-6	(Moon)
X06	20-11	1238	18245	Wed	MFA Moscow clg 231654: Russian embassy Abuja	MFSK-6	(AB)
X06	21-11	0924	20837	Thu	MFA Moscow clg 645321: Russian Consulate General Ho Chi Minh City	MFSK-6	(AB/RO)
X06	21-11	1013	17477	Thu	Russian diplo	MFSK-66	(AB)
X06	26-11	1002	17470	Tue	MFA Moscow clg 216354: Russian Consulate General Chennai	MFSK-6	(Moon)
X06	27-11	0821	13369	Wed	MFA Mosco clg 412356: Russian embassy Budapest	MFSK-6	(AB/Moon)

X06	27-11	0909	10172	Wed	MFA Moscow clg 465132: Russian embassy Sofia	MFSK-6	(AB)
X06	28-11	0808	13854	Thu	MFA Moscow clg 521634: Russian embassy Bucharest	MFSK-6	(Moon)
X06	28-11	0822	16153	Thu	MFA Moscow clg 153624: Russian embassy Damascus	MFSK-6	(Moon)
XPA1	1-11	1310	13875	Fri	838 838 838 000 05691 00001 00000 34666	MFSK-20/10Bd	(AB/HFD)
XPA1	1-11	1330	13375	Fri	838 838 838 000 05691 00001 00000 34666	MFSK-20/10Bd	(AB/HFD)
XPA1	1-11	1350	10875	Fri	838 838 838 000 05691 00001 00000 34666	MFSK-20/10Bd	(AB/HFD)
XPA1	6-11	1310	13875	Wed	838 838 838 1 00631 00141 83857 ... 38359 81566 20572	MFSK-20/10Bd	(AB)
XPA1	6-11	1330	13375	Wed	838 838 838 1 00631 00141 83857 ... 38359 81566 20572	MFSK-20/10Bd	(AB)
XPA1	6-11	1350	10875	Wed	838 838 838 1 00631 00141 83857 ... 38359 81566 20572	MFSK-20/10Bd	(AB)
XPA1	8-11	1310	13875	Fri	838 838 838 1 00631 00141 83857 ... 38359 81566 20572	MFSK-20/10Bd	(AB)
XPA1	8-11	1330	13375	Fri	838 838 838 1 00631 00141 83857 ... 38359 81566 20572	MFSK-20/10Bd	(AB)
XPA1	8-11	1350	10875	Fri	838 838 838 1 00631 00141 83857 ... 38359 81566 20572	MFSK-20/10Bd	(AB)
XPA1	13-11	1310	13875	Wed	838 838 838 1 00631 00141 83857 ... 38359 81566 20572	MFSK-20/10Bd	(AB/RL-FIN)
XPA1	13-11	1330	13375	Wed	838 838 838 1 00631 00141 83857 ... 38359 81566 20572	MFSK-20/10Bd	(AB/RL-FIN)
XPA1	13-11	1350	10875	Wed	838 838 838 1 00631 00141 83857 ... 38359 81566 20572	MFSK-20/10Bd	(AB)
XPA1	15-11	1310	13875	Fri	838 838 838 1 00631 00141 83857 ... 38359 81566 20572	MFSK-20/10Bd	(AB)
XPA1	15-11	1330	13375	Fri	838 838 838 1 00631 00141 83857 ... 38359 81566 20572	MFSK-20/10Bd	(AB)
XPA1	15-11	1350	10875	Fri	838 838 838 1 00631 00141 83857 ... 38359 81566 20572	MFSK-20/10Bd	(AB/RL-HOL)
XPA1	20-11	1310	13875	Wed	838 838 838 000 07782 00001 00000 35667	MFSK-20/10Bd	(AB/RL-HOL)
XPA1	20-11	1330	13375	Wed	838 838 838 000 07782 00001 00000 35667	MFSK-20/10Bd	(AB)
XPA1	20-11	1350	10875	Wed	838 838 838 000 07782 00001 00000 35667	MFSK-20/10Bd	(AB)
XPA1	22-11	1310	13875	Fri	838 838 838 000 01296 00001 00000 35262	MFSK-20/10Bd	(AB)
XPA1	22-11	1330	13375	Fri	838 838 838 000 01296 00001 00000 35262	MFSK-20/10Bd	(AB)
XPA1	22-11	1350	10875	Fri	838 838 838 000 01296 00001 00000 35262	MFSK-20/10Bd	(AB)
XPA1	27-11	1310	13875	Wed	838 838 838 000 05183 00001 00000 33265	MFSK-20/10Bd	(AB)
XPA1	27-11	1330	13375	Wed	838 838 838 000 05183 00001 00000 33265	MFSK-20/10Bd	(AB)
XPA1	27-11	1350	10875	Wed	838 838 838 000 05183 00001 00000 33265	MFSK-20/10Bd	(AB)
XPA1	29-11	1310	13875	Fri	838 838 838 000 03921 00001 00000 36255	MFSK-20/10Bd	(AB)
XPA1	29-11	1330	13375	Fri	838 838 838 000 03921 00001 00000 36255	MFSK-20/10Bd	(AB)
XPA1	29-11	1350	10875	Fri	838 838 838 000 03921 00001 00000 36255	MFSK-20/10Bd	(AB)
XPA2	1-11	1100	10653	Fri	04164 00001 00000 33662	MFSK-16/20Bd	(AB/HFD)
XPA2	1-11	1120	9353	Fri	04164 00001 00000 33662	MFSK-16/20Bd	(AB/HFD)
XPA2	1-11	1140	8153	Fri	04164 00001 00000 33662	MFSK-16/20Bd	(AB/HFD)
XPA2	1-11	1200	13968	Fri	00666 00231 94453 ... 92033 09665 44606	MFSK-16/20Bd	(AB/HFD)
XPA2	1-11	1220	15968	Fri	00666 00231 94453 ... 92033 09665 44606	MFSK-16/20Bd	(AB/HFD)
XPA2	1-11	1240	17468	Fri	00666 00231 94453 ... 92033 09665 44606	MFSK-16/20Bd	(AB/HFD)
XPA2	2-11	0910	15985	Sat	03141 00176 63642 ... 52092 76243 51317	MFSK-16/20Bd	(AB/HFD)
XPA2	2-11	0930	14885	Sat	03141 00176 63642 ... 52092 76243 51317	MFSK-16/20Bd	(AB/HFD)
XPA2	2-11	0950	13885	Sat	03141 00176 63642 ... 52092 76243 51317	MFSK-16/20Bd	(AB/HFD)
XPA2	2-11	1600	8126	Sat	08818 00001 00000 41261	MFSK-16/20Bd	(AB/HFD)
XPA2	2-11	1620	6826	Sat	08818 00001 00000 41261	MFSK-16/20Bd	(AB/HFD)
XPA2	2-11	1640	5326	Sat	08818 00001 00000 41261	MFSK-16/20Bd	(AB/HFD)
XPA2	4-11	0800	11529	Mon	08800 00128 14848 ... 28975 04582 43741	MFSK-16/20Bd	(AB/HFD)

XPA2	4-11	0820	13429	Mon	08800 00128 14848 ... 28975 04582 43741	MFSK-16/20Bd	(AB/HFD)
XPA2	4-11	0840	13929	Mon	08800 00128 14848 ... 28975 04582 43741	MFSK-16/20Bd	(AB/HFD)
XPA2	4-11	0910	17413	Mon	08210 00114 04174 ... 14227 94254 25400	MFSK-16/20Bd	(AB/HFD)
XPA2	4-11	0930	15852	Mon	08210 00114 04174 ... 14227 94254 25400	MFSK-16/20Bd	(AB/HFD)
XPA2	4-11	0950	13363	Mon	08210 00114 04174 ... 14227 94254 25400	MFSK-16/20Bd	(AB/HFD)
XPA2	4-11	1600	8126	Mon	00409 00228 00062 ... 04091 90474 67535	MFSK-16/20Bd	(AB)
XPA2	4-11	1620	6826	Mon	00409 00228 00062 ... 04091 90474 67535	MFSK-16/20Bd	(AB)
XPA2	4-11	1640	5326	Mon	00409 00228 00062 ... 04091 90474 67535	MFSK-16/20Bd	(AB)
XPA2	5-11	1100	10653	Tue	00412 00032 79537 ... 51803 31176 07163	MFSK-16/20Bd	(AB)
XPA2	5-11	1120	9353	Tue	00412 00032 79537 ... 51803 31176 07163	MFSK-16/20Bd	(AB)
XPA2	5-11	1140	8153	Tue	00412 00032 79537 ... 51803 31176 07163	MFSK-16/20Bd	(AB)
XPA2	5-11	1600	10223	Tue	08707 00248 98380 ... 01096 14109 44167	MFSK-16/20bd	(AB/HFD)
XPA2	5-11	1620	9223	Tue	08707 00248 98380 ... 01096 14109 44167	MFSK-16/20bd	(AB/HFD)
XPA2	5-11	1640	8123	Tue	08707 00248 98380 ... 01096 14109 44167	MFSK-16/20bd	(AB/HFD)
XPA2	6-11	0800	11529	Wed	08800 00128 14848 ... 28975 04582 43741	MFSK-16/20Bd	(AB)
XPA2	6-11	0820	13429	Wed	08800 00128 14848 ... 28975 04582 43741	MFSK-16/20Bd	(AB)
XPA2	6-11	0840	13929	Wed	08800 00128 14848 ... 28975 04582 43741	MFSK-16/20Bd	(AB)
XPA2	6-11	0910	17413	Wed	08210 00114 04174 ... 14227 94254 25400	MFSK-16/20Bd	(AB)
XPA2	6-11	0930	15852	Wed	08210 00114 04174 ... 14227 94254 25400	MFSK-16/20Bd	(AB)
XPA2	6-11	0950	13363	Wed	08210 00114 04174 ... 14227 94254 25400	MFSK-16/20Bd	(AB)
XPA2	6-11	1100	13393	Wed	05552 00051 60799 ... 47140 09980 50421	MFSK-16/20Bd	(AB)
XPA2	6-11	1120	12193	Wed	05552 00051 60799 ... 47140 09980 50421	MFSK-16/20Bd	(AB)
XPA2	6-11	1140	11093	Wed	05552 00051 60799 ... 47140 09980 50421	MFSK-16/20Bd	(AB)
XPA2	6-11	1200	13968	Wed	00725 00213 10760 ... 12186 08964 23356	MFSK-16/20Bd	(AB)
XPA2	6-11	1220	15968	Wed	00725 00213 10760 ... 12186 08964 23356	MFSK-16/20Bd	(AB)
XPA2	6-11	1240	17468	Wed	00725 00213 10760 ... 12186 08964 23356	MFSK-16/20Bd	(AB)
XPA2	7-11	0910	15985	Thu	07462 00001 00000 33265	MFSK-16/20Bd	(AB)
XPA2	7-11	0930	14855	Thu	07462 00001 00000 33265	MFSK-16/20Bd	(AB)
XPA2	7-11	0950	13885	Thu	07462 00001 00000 33265	MFSK-16/20Bd	(AB)
XPA2	7-11	1100	13393	Thu	05552 00051 60799 ... 47140 09980 50421	MFSK-16/20Bd	(AB)
XPA2	7-11	1120	12193	Thu	05552 00051 60799 ... 47140 09980 50421	MFSK-16/20Bd	(AB)
XPA2	7-11	1140	11093	Thu	05552 00051 60799 ... 47140 09980 50421	MFSK-16/20Bd	(AB)
XPA2	7-11	1600	10223	Thu	08707 00248 98380 ... 01096 14109 44167	MFSK-16/20bd	(AB)
XPA2	7-11	1620	9223	Thu	08707 00248 98380 ... 01096 14109 44167	MFSK-16/20bd	(AB)
XPA2	7-11	1640	8123	Thu	08707 00248 98380 ... 01096 14109 44167	MFSK-16/20bd	(AB)
XPA2	8-11	1100	10653	Fri	00412 00032 79537 ... 51803 31176 07163	MFSK-16/20Bd	(AB)
XPA2	8-11	1120	9353	Fri	00412 00032 79537 ... 51803 31176 07163	MFSK-16/20Bd	(AB)
XPA2	8-11	1140	8153	Fri	00412 00032 79537 ... 51803 31176 07163	MFSK-16/20Bd	(AB)
XPA2	8-11	1200	13968	Fri	00725 00213 10760 ... 12186 08964 23356	MFSK-16/20Bd	(AB)
XPA2	8-11	1220	15968	Fri	00725 00213 10760 ... 12186 08964 23356	MFSK-16/20Bd	(AB)
XPA2	8-11	1240	17468	Fri	00725 00213 10760 ... 12186 08964 23356	MFSK-16/20Bd	(AB)
XPA2	9-11	0910	15985	Sat	05664 00001 00000 36263	MFSK-16/20Bd	(AB)
XPA2	9-11	0930	14885	Sat	05664 00001 00000 36263	MFSK-16/20Bd	(AB)

XPA2	9-11	0950	13885	Sat	05664 00001 00000 36263	MFSK-16/20Bd	(AB)
XPA2	9-11	1600	8126	Sat	00409 00228 00062 ... 04091 90474 67535	MFSK-16/20Bd	(AB)
XPA2	9-11	1620	6826	Sat	00409 00228 00062 ... 04091 90474 67535	MFSK-16/20Bd	(AB)
XPA2	9-11	1640	5326	Sat	00409 00228 00062 ... 04091 90474 67535	MFSK-16/20Bd	(AB)
XPA2	11-11	0800	11529	Mon	04973 00001 00000 37263	MFSK-16/20Bd	(AB)
XPA2	11-11	0820	13429	Mon	04973 00001 00000 37263	MFSK-16/20Bd	(AB)
XPA2	11-11	0840	13929	Mon	04973 00001 00000 37263	MFSK-16/20Bd	(AB)
XPA2	11-11	0910	17413	Mon	06043 00035 74189 ... 14548 12310 72325	MFSK-16/20Bd	(AB)
XPA2	11-11	0930	15852	Mon	06043 00035 74189 ... 14548 12310 72325	MFSK-16/20Bd	(AB)
XPA2	11-11	0950	13363	Mon	06043 00035 74189 ... 14548 12310 72325	MFSK-16/20Bd	(AB)
XPA2	11-11	1600	8126	Mon	05937 00001 00000 41260	MFSK-16/20Bd	(AB/RL-HOL)
XPA2	11-11	1620	6826	Mon	05937 00001 00000 41260	MFSK-16/20Bd	(AB/RL-HOL)
XPA2	11-11	1640	5326	Mon	05937 00001 00000 41260	MFSK-16/20Bd	(AB)
XPA2	12-11	1100	10653	Tue	09319 00088 18183 ... 92894 49941 26221	MFSK-16/20Bd	(AB)
XPA2	12-11	1120	9353	Tue	09319 00088 18183 ... 92894 49941 26221	MFSK-16/20Bd	(AB)
XPA2	12-11	1140	8153	Tue	09319 00088 18183 ... 92894 49941 26221	MFSK-16/20Bd	(AB)
XPA2	12-11	1600	10223	Tue	09401 00001 00000 33661	MFSK-16/20bd	(AB)
XPA2	12-11	1620	9223	Tue	09401 00001 00000 33661	MFSK-16/20bd	(AB)
XPA2	12-11	1640	8123	Tue	09401 00001 00000 33661	MFSK-16/20bd	(AB)
XPA2	13-11	0800	11529	Wed	05996 00001 00000 40666	MFSK-16/20Bd	(AB)
XPA2	13-11	0820	13429	Wed	05996 00001 00000 40666	MFSK-16/20Bd	(AB)
XPA2	13-11	0840	13929	Wed	05996 00001 00000 40666	MFSK-16/20Bd	(AB)
XPA2	13-11	0910	17413	Wed	06043 00035 74189 ... 14548 12310 72325	MFSK-16/20Bd	(AB)
XPA2	13-11	0930	15852	Wed	06043 00035 74189 ... 14548 12310 72325	MFSK-16/20Bd	(AB)
XPA2	13-11	0950	13363	Wed	06043 00035 74189 ... 14548 12310 72325	MFSK-16/20Bd	(AB)
XPA2	13-11	1100	13393	Wed	04183 00001 00000 33264	MFSK-16/20Bd	(AB)
XPA2	13-11	1120	12193	Wed	04183 00001 00000 33264	MFSK-16/20Bd	(AB)
XPA2	13-11	1140	11093	Wed	04183 00001 00000 33264	MFSK-16/20Bd	(AB)
XPA2	13-11	1200	13968	Wed	00707 00147 21527 ... 33812 17621 64144	MFSK-16/20Bd	(AB/RL-FIN)
XPA2	13-11	1220	15968	Wed	00707 00147 21527 ... 33812 17621 64144	MFSK-16/20Bd	(AB)
XPA2	13-11	1240	17468	Wed	00707 00147 21527 ... 33812 17621 64144	MFSK-16/20Bd	(AB)
XPA2	14-11	0910	15985	Thu	03969 00001 00000 42261	MFSK-16/20Bd	(AB)
XPA2	14-11	0930	14855	Thu	03969 00001 00000 42261	MFSK-16/20Bd	(AB)
XPA2	14-11	0950	13885	Thu	03969 00001 00000 42261	MFSK-16/20Bd	(AB)
XPA2	14-11	1100	13393	Thu	05860 00001 00000 35263	MFSK-16/20Bd	(AB)
XPA2	14-11	1120	12193	Thu	05860 00001 00000 35263	MFSK-16/20Bd	(AB)
XPA2	14-11	1140	11093	Thu	05860 00001 00000 35263	MFSK-16/20Bd	(AB)
XPA2	14-11	1600	10223	Thu	06845 00001 00000 40262	MFSK-16/20bd	(AB/RL-HOL)
XPA2	14-11	1620	9223	Thu	06845 00001 00000 40262	MFSK-16/20bd	(AB/RL-HOL)
XPA2	14-11	1640	8123	Thu	06845 00001 00000 40262	MFSK-16/20bd	(AB)
XPA2	15-11	1100	10653	Fri	09319 00088 18183 ... off after group 64	MFSK-16/20Bd	(AB)
XPA2	15-11	1120	9353	Fri	09319 00088 18183 ... 92894 49941 26221	MFSK-16/20Bd	(AB)
XPA2	15-11	1140	8153	Fri	09319 00088 18183 ... 92894 49941 26221	MFSK-16/20Bd	(AB)

XPA2	15-11	1200	13968	Fri	00707 00147 21527 ... 33812 17621 64144	MFSK-16/20Bd	(AB)
XPA2	15-11	1220	15968	Fri	00707 00147 21527 ... 33812 17621 64144	MFSK-16/20Bd	(AB)
XPA2	15-11	1240	17468	Fri	00707 00147 21527 ... 33812 17621 64144	MFSK-16/20Bd	(AB)
XPA2	16-11	0910	15985	Sat	09778 00180 12118 ... 62242 45078 63256	MFSK-16/20Bd	(AB)
XPA2	16-11	0930	14885	Sat	09778 00180 12118 ... 62242 45078 63256	MFSK-16/20Bd	(AB)
XPA2	16-11	0950	13885	Sat	09778 00180 12118 ... 62242 45078 63256	MFSK-16/20Bd	(AB)
XPA2	16-11	1600	8126	Sat	04368 00001 00000 36662	MFSK-16/20Bd	(AB)
XPA2	16-11	1620	6826	Sat	04368 00001 00000 36662	MFSK-16/20Bd	(AB)
XPA2	16-11	1640	5326	Sat	04368 00001 00000 36662	MFSK-16/20Bd	(AB)
XPA2	18-11	0800	11529	Mon	04255 00115 80170 ... 71840 84073 54037	MFSK-16/20Bd	(AB)
XPA2	18-11	0820	13429	Mon	04255 00115 80170 ... 71840 84073 54037	MFSK-16/20Bd	(AB)
XPA2	18-11	0840	13929	Mon	04255 00115 80170 ... 71840 84073 54037	MFSK-16/20Bd	(AB)
XPA2	18-11	0910	17413	Mon	08698 00167 75244 ... 92914 02701 26017	MFSK-16/20Bd	(AB)
XPA2	18-11	0930	15852	Mon	08698 00167 75244 ... 92914 02701 26017	MFSK-16/20Bd	(AB)
XPA2	18-11	0950	13363	Mon	08698 00167 75244 ... 92914 02701 26017	MFSK-16/20Bd	(AB)
XPA2	18-11	1600	8126	Mon	06257 00157 87834... 63797 22216 37217	MFSK-16/20Bd	(AB)
XPA2	18-11	1620	6826	Mon	06257 00157 87834... 63797 22216 37217	MFSK-16/20Bd	(AB)
XPA2	18-11	1640	5326	Mon	06257 00157 87834... 63797 22216 37217	MFSK-16/20Bd	(AB)
XPA2	19-11	1100	10653	Tue	09319 00088 18183 ... 92894 49941 26221	MFSK-16/20Bd	(AB)
XPA2	19-11	1120	9353	Tue	09319 00088 18183 ... 92894 49941 26221	MFSK-16/20Bd	(AB)
XPA2	19-11	1140	8153	Tue	09319 00088 18183 ... 92894 49941 26221	MFSK-16/20Bd	(AB)
XPA2	19-11	1600	10223	Tue	00716 00237 88699 ... 61874 17139 74270	MFSK-16/20bd	(AB)
XPA2	19-11	1620	9223	Tue	00716 00237 88699 ... 61874 17139 74270	MFSK-16/20bd	(AB)
XPA2	19-11	1640	8123	Tue	00716 00237 88699 ... 61874 17139 74270	MFSK-16/20bd	(AB)
XPA2	20-11	0800	11529	Wed	04255 00115 80170 ... 71840 84073 54037	MFSK-16/20Bd	(AB)
XPA2	20-11	0820	13429	Wed	04255 00115 80170 ... 71840 84073 54037	MFSK-16/20Bd	(AB)
XPA2	20-11	0840	13929	Wed	04255 00115 80170 ... 71840 84073 54037	MFSK-16/20Bd	(AB)
XPA2	20-11	0910	17413	Wed	08698 00167 75244 ... 92914 02701 26017	MFSK-16/20Bd	(AB)
XPA2	20-11	0930	15852	Wed	08698 00167 75244 ... 92914 02701 26017	MFSK-16/20Bd	(AB)
XPA2	20-11	0950	13363	Wed	08698 00167 75244 ... 92914 02701 26017	MFSK-16/20Bd	(AB)
XPA2	20-11	1100	13393	Wed	00227 00191 46531 .. 16528 73400 56147	MFSK-16/20Bd	(AB/RL- HOL/HFD)
XPA2	20-11	1120	12193	Wed	00227 00191 46531 .. 16528 73400 56147	MFSK-16/20Bd	(AB/HFD)
XPA2	20-11	1140	11093	Wed	00227 00191 46531 .. 16528 73400 56147	MFSK-16/20Bd	(AB/HFD)
XPA2	20-11	1200	13968	Wed	09580 00212 32934 ... 03915 89401 37707	MFSK-16/20Bd	(AB)
XPA2	20-11	1220	15968	Wed	09580 00212 32934 ... 03915 89401 37707	MFSK-16/20Bd	(AB)
XPA2	20-11	1240	17468	Wed	09580 00212 32934 ... 03915 89401 37707	MFSK-16/20Bd	(AB)
XPA2	21-11	0910	15985	Thu	09778 00180 12118 ... 62242 45078 63256	MFSK-16/20Bd	(AB)
XPA2	21-11	0930	14855	Thu	09778 00180 12118 ... 62242 45078 63256	MFSK-16/20Bd	(AB)
XPA2	21-11	0950	13885	Thu	09778 00180 12118 ... 62242 45078 63256	MFSK-16/20Bd	(AB)
XPA2	21-11	1100	13393	Thu	00227 00191 46531 .. 16528 73400 56147	MFSK-16/20Bd	(AB)
XPA2	21-11	1120	12193	Thu	00227 00191 46531 .. 16528 73400 56147	MFSK-16/20Bd	(AB)
XPA2	21-11	1140	11093	Thu	00227 00191 46531 .. 16528 73400 56147	MFSK-16/20Bd	(AB)

XPA2	21-11	1600	10223	Thu	00716 00237 88699 ... 61874 17139 74270	MFSK-16/20bd	(AB)
XPA2	21-11	1620	9223	Thu	00716 00237 88699 ... 61874 17139 74270	MFSK-16/20bd	(AB)
XPA2	21-11	1640	8123	Thu	00716 00237 88699 ... 61874 17139 74270	MFSK-16/20bd	(AB)
XPA2	22-11	1100	10653	Fri	09319 00088 18183 ... 92894 49941 26221	MFSK-16/20Bd	(AB)
XPA2	22-11	1120	9353	Fri	09319 00088 18183 ... 92894 49941 26221	MFSK-16/20Bd	(AB)
XPA2	22-11	1140	8153	Fri	09319 00088 18183 ... 92894 49941 26221	MFSK-16/20Bd	(AB)
XPA2	22-11	1200	13968	Fri	09580 00212 32934 ... 03915 89401 37707	MFSK-16/20Bd	(AB)
XPA2	22-11	1220	15968	Fri	09580 00212 32934 ... 03915 89401 37707	MFSK-16/20Bd	(AB)
XPA2	22-11	1240	17468	Fri	09580 00212 32934 ... 03915 89401 37707	MFSK-16/20Bd	(AB)
XPA2	23-11	0910	15985	Sat	09778 00180 12118 ... 62242 45078 63256	MFSK-16/20Bd	(AB)
XPA2	23-11	0930	14855	Sat	09778 00180 12118 ... 62242 45078 63256	MFSK-16/20Bd	(AB)
XPA2	23-11	0950	13885	Sat	09778 00180 12118 ... 62242 45078 63256	MFSK-16/20Bd	(AB)
XPA2	23-11	1600	8126	Sat	06257 00157 87834... 63797 22216 37217	MFSK-16/20Bd	(AB)
XPA2	23-11	1620	6826	Sat	06257 00157 87834... 63797 22216 37217	MFSK-16/20Bd	(AB)
XPA2	23-11	1640	5326	Sat	06257 00157 87834... 63797 22216 37217	MFSK-16/20Bd	(AB)
XPA2	25-11	0800	11529	Mon	04255 00115 80170 ... 71840 84073 54037	MFSK-16/20Bd	(AB)
XPA2	25-11	0820	13429	Mon	04255 00115 80170 ... 71840 84073 54037	MFSK-16/20Bd	(AB)
XPA2	25-11	0840	13929	Mon	04255 00115 80170 ... 71840 84073 54037	MFSK-16/20Bd	(AB)
XPA2	25-11	0910	17413	Mon	08698 00167 75244 ... 92914 02701 26017	MFSK-16/20Bd	(AB)
XPA2	25-11	0930	15852	Mon	08698 00167 75244 ... 92914 02701 26017	MFSK-16/20Bd	(AB)
XPA2	25-11	0950	13363	Mon	08698 00167 75244 ... 92914 02701 26017	MFSK-16/20Bd	(AB)
XPA2	25-11	1600	8126	Mon	05054 00001 00000 33262	MFSK-16/20Bd	(AB)
XPA2	25-11	1620	6826	Mon	05054 00001 00000 33262	MFSK-16/20Bd	(AB)
XPA2	25-11	1640	5326	Mon	05054 00001 00000 33262	MFSK-16/20Bd	(AB)
XPA2	26-11	1100	10653	Tue	00538 00144 53741 ... 50206 05182 76000	MFSK-16/20Bd	(AB)
XPA2	26-11	1120	9353	Tue	00538 00144 53741 ... 50206 05182 76000	MFSK-16/20Bd	(AB)
XPA2	26-11	1140	8153	Tue	00538 00144 53741 ... 50206 05182 76000	MFSK-16/20Bd	(AB)
XPA2	26-11	1600	10223	Tue	01878 00001 00000 41260	MFSK-16/20bd	(AB)
XPA2	26-11	1620	9223	Tue	01878 00001 00000 41260	MFSK-16/20bd	(AB)
XPA2	26-11	1640	8123	Tue	01878 00001 00000 41260	MFSK-16/20bd	(AB)
XPA2	27-11	0800	11529	Wed	04255 00115 80170 ... 71840 84073 54037	MFSK-16/20Bd	(AB)
XPA2	27-11	0820	13429	Wed	04255 00115 80170 ... 71840 84073 54037	MFSK-16/20Bd	(AB)
XPA2	27-11	0840	13929	Wed	04255 00115 80170 ... 71840 84073 54037	MFSK-16/20Bd	(AB)
XPA2	27-11	0910	17413	Wed	08698 00167 75244 ... 92914 02701 26017	MFSK-16/20Bd	(AB)
XPA2	27-11	0930	15852	Wed	08698 00167 75244 ... 92914 02701 26017	MFSK-16/20Bd	(AB)
XPA2	27-11	0950	13363	Wed	08698 00167 75244 ... 92914 02701 26017	MFSK-16/20Bd	(AB)
XPA2	27-11	1100	13393	Wed	08933 00001 00000 37263	MFSK-16/20Bd	(AB)
XPA2	27-11	1120	12193	Wed	08933 00001 00000 37263	MFSK-16/20Bd	(AB)
XPA2	27-11	1140	11093	Wed	08933 00001 00000 37263	MFSK-16/20Bd	(AB)
XPA2	27-11	1200	13968	Wed	00171 00074 11280 ... 23880 20237 13055	MFSK-16/20Bd	(AB)
XPA2	27-11	1220	15968	Wed	00171 00074 11280 ... 23880 20237 13055	MFSK-16/20Bd	(AB)
XPA2	27-11	1240	17468	Wed	00171 00074 11280 ... 23880 20237 13055	MFSK-16/20Bd	(AB)
XPA2	28-11	0910	15985	Thu	00101 00079 26595 ... 23269 70426 43155	MFSK-16/20Bd	(AB)

XPA2	28-11	0930	14855	Thu	00101 00079 26595 ... 23269 70426 43155	MFSK-16/20Bd	(AB)
XPA2	28-11	0950	13885	Thu	00101 00079 26595 ... 23269 70426 43155	MFSK-16/20Bd	(AB)
XPA2	28-11	1100	13393	Thu	09228 00001 00000 36263	MFSK-16/20Bd	(AB)
XPA2	28-11	1120	12193	Thu	09228 00001 00000 36263	MFSK-16/20Bd	(AB)
XPA2	28-11	1140	11093	Thu	09228 00001 00000 36263	MFSK-16/20Bd	(AB)
XPA2	28-11	1600	10223	Thu	06719 00001 00000 41257	MFSK-16/20bd	(AB)
XPA2	28-11	1620	9223	Thu	06719 00001 00000 41257	MFSK-16/20bd	(AB)
XPA2	28-11	1640	8123	Thu	06719 00001 00000 41257	MFSK-16/20bd	(AB)
XPA2	29-11	1100	10653	Fri	00538 00144 53741 ... 50206 05182 76000	MFSK-16/20Bd	(AB)
XPA2	29-11	1120	9353	Fri	00538 00144 53741 ... 50206 05182 76000	MFSK-16/20Bd	(AB)
XPA2	29-11	1140	8153	Fri	00538 00144 53741 ... 50206 05182 76000	MFSK-16/20Bd	(AB)
XPA2	29-11	1200	13968	Fri	00171 00074 11280 ... 23880 20237 13055	MFSK-16/20Bd	(AB)
XPA2	29-11	1220	15968	Fri	00171 00074 11280 ... 23880 20237 13055	MFSK-16/20Bd	(AB)
XPA2	29-11	1240	17468	Fri	00171 00074 11280 ... 23880 20237 13055	MFSK-16/20Bd	(AB)
XPA2	30-11	0910	15985	Sat	00101 00079 26595 ... 23269 70426 43155	MFSK-16/20Bd	(AB)
XPA2	30-11	0930	14855	Sat	00101 00079 26595 ... 23269 70426 43155	MFSK-16/20Bd	(AB)
XPA2	30-11	0950	13885	Sat	00101 00079 26595 ... 23269 70426 43155	MFSK-16/20Bd	(AB)
XPA2	30-11	1600	8126	Sat	04765 00001 00000 37262	MFSK-16/20Bd	(AB)
XPA2	30-11	1620	6826	Sat	04765 00001 00000 37262	MFSK-16/20Bd	(AB)
XPA2	30-11	1640	5326	Sat	04765 00001 00000 37262	MFSK-16/20Bd	(AB)
XPB1	1-11	1300	20021	Fri	Russian intel.	MFSK-16	(AB/HFD)
XPB1	1-11	1310	19521	Fri	Russian intel.	MFSK-16	(AB/HFD)
XPB1	1-11	1320	18421	Fri	Russian intel.	MFSK-16	(AB/HFD)
XPB1	1-11	1330	17421	Fri	Russian intel.	MFSK-16	(AB/HFD)
XPB1	1-11	1340	16321	Fri	Russian intel.	MFSK-16	(AB/HFD)
XPB1	1-11	1350	15921	Fri	Russian intel.	MFSK-16	(AB/HFD)
XPB1	2-11	1200	16353	Sat	Russian intel.	MFSK-16	(AB/HFD)
XPB1	2-11	1210	15953	Sat	Russian intel.	MFSK-16	(AB/HFD)
XPB1	2-11	1220	14953	Sat	Russian intel.	MFSK-16	(AB/HFD)
XPB1	2-11	1230	13453	Sat	Russian intel.	MFSK-16	(AB/HFD)
XPB1	2-11	1240	12153	Sat	Russian intel.	MFSK-16	(AB/HFD)
XPB1	2-11	1250	11453	Sat	Russian intel.	MFSK-16	(AB/HFD)
XPB1	4-11	0600	19339	Mon	Russian intel.	MFSK-16	(AB/HFD)
XPB1	4-11	0610	18239	Mon	Russian intel.	MFSK-16	(AB/HFD)
XPB1	4-11	0620	17439	Mon	Russian intel.	MFSK-16	(AB/HFD)
XPB1	4-11	0630	16339	Mon	Russian intel.	MFSK-16	(AB/HFD)
XPB1	4-11	0640	15839	Mon	Russian intel.	MFSK-16	(AB/HFD)
XPB1	4-11	0650	14439	Mon	Russian intel.	MFSK-16	(AB/HFD)
XPB1	5-11	0600	19339	Tue	Russian intel.	MFSK-16	(AB)
XPB1	5-11	0610	18239	Tue	Russian intel.	MFSK-16	(AB)
XPB1	5-11	0620	17439	Tue	Russian intel.	MFSK-16	(AB)
XPB1	5-11	0630	16339	Tue	Russian intel.	MFSK-16	(AB)
XPB1	5-11	0640	15839	Tue	Russian intel.	MFSK-16	(AB)

XPB1	5-11	0650	14439	Tue	Russian intel.	MFSK-16	(AB)
XPB1	5-11	1300	20021	Tue	Russian intel.	MFSK-16	(AB)
XPB1	5-11	1310	19521	Tue	Russian intel.	MFSK-16	(AB)
XPB1	5-11	1320	18421	Tue	Russian intel.	MFSK-16	(AB)
XPB1	5-11	1330	17421	Tue	Russian intel.	MFSK-16	(AB)
XPB1	5-11	1340	16321	Tue	Russian intel.	MFSK-16	(AB)
XPB1	5-11	1350	15921	Tue	Russian intel.	MFSK-16	(AB)
XPB1	6-11	1200	16353	Wed	Russian intel.	MFSK-16	(AB)
XPB1	6-11	1210	15953	Wed	Russian intel.	MFSK-16	(AB)
XPB1	6-11	1220	14953	Wed	Russian intel.	MFSK-16	(AB)
XPB1	6-11	1230	13453	Wed	Russian intel.	MFSK-16	(AB)
XPB1	6-11	1240	12153	Wed	Russian intel.	MFSK-16	(AB)
XPB1	6-11	1250	11453	Wed	Russian intel.	MFSK-16	(AB)
XPB1	8-11	1300	20021	Fri	Russian intel.	MFSK-16	(AB)
XPB1	8-11	1310	19521	Fri	Russian intel.	MFSK-16	(AB)
XPB1	8-11	1320	18421	Fri	Russian intel.	MFSK-16	(AB)
XPB1	8-11	1330	17421	Fri	Russian intel.	MFSK-16	(AB)
XPB1	8-11	1340	16321	Fri	Russian intel.	MFSK-16	(AB)
XPB1	8-11	1350	15921	Fri	Russian intel.	MFSK-16	(AB)
XPB1	9-11	1200	16353	Sat	Russian intel.	MFSK-16	(AB)
XPB1	9-11	1210	15953	Sat	Russian intel.	MFSK-16	(AB)
XPB1	9-11	1220	14953	Sat	Russian intel.	MFSK-16	(AB)
XPB1	9-11	1230	13453	Sat	Russian intel.	MFSK-16	(AB)
XPB1	9-11	1240	12153	Sat	Russian intel.	MFSK-16	(AB)
XPB1	9-11	1250	11453	Sat	Russian intel.	MFSK-16	(AB)
XPB1	10-11	1500	20144	Sun	Russian intel.	MFSK-16	(HFD)
XPB1	10-11	1510	19044	Sun	Russian intel.	MFSK-16	(HFD)
XPB1	10-11	1520	18644	Sun	Russian intel.	MFSK-16	(HFD)
XPB1	10-11	1530	17444	Sun	Russian intel.	MFSK-16	(HFD)
XPB1	10-11	1540	16144	Sun	Russian intel.	MFSK-16	(HFD)
XPB1	10-11	1550	14944	Sun	Russian intel.	MFSK-16	(HFD)
XPB1	11-11	0600	19339	Mon	Russian intel.	MFSK-16	(AB)
XPB1	11-11	0610	18239	Mon	Russian intel.	MFSK-16	(AB)
XPB1	11-11	0620	17439	Mon	Russian intel.	MFSK-16	(AB)
XPB1	11-11	0630	16339	Mon	Russian intel.	MFSK-16	(AB)
XPB1	11-11	0640	15839	Mon	Russian intel.	MFSK-16	(AB)
XPB1	11-11	0650	14439	Mon	Russian intel.	MFSK-16	(AB)
XPB1	12-11	0600	19339	Tue	Russian intel.	MFSK-16	(AB)
XPB1	12-11	0610	18239	Tue	Russian intel.	MFSK-16	(AB)
XPB1	12-11	0620	17439	Tue	Russian intel.	MFSK-16	(AB)
XPB1	12-11	0630	16339	Tue	Russian intel.	MFSK-16	(AB)
XPB1	12-11	0640	15839	Tue	Russian intel.	MFSK-16	(AB)
XPB1	12-11	0650	14439	Tue	Russian intel.	MFSK-16	(AB)

XPB1	12-11	1300	20021	Tue	Russian intel.	MFSK-16	(AB)
XPB1	12-11	1310	19521	Tue	Russian intel.	MFSK-16	(AB)
XPB1	12-11	1320	18421	Tue	Russian intel.	MFSK-16	(AB)
XPB1	12-11	1330	17421	Tue	Russian intel.	MFSK-16	(AB)
XPB1	12-11	1340	16321	Tue	Russian intel.	MFSK-16	(AB)
XPB1	12-11	1350	15921	Tue	Russian intel.	MFSK-16	(AB)
XPB1	13-11	1200	16353	Wed	Russian intel.	MFSK-16	(AB)
XPB1	13-11	1210	15953	Wed	Russian intel.	MFSK-16	(AB)
XPB1	13-11	1220	14953	Wed	Russian intel.	MFSK-16	(AB)
XPB1	13-11	1230	13453	Wed	Russian intel.	MFSK-16	(AB)
XPB1	13-11	1240	12153	Wed	Russian intel.	MFSK-16	(AB)
XPB1	13-11	1250	11453	Wed	Russian intel.	MFSK-16	(AB)
XPB1	15-11	0850	14712	Fri	Russian intel.	MFSK-16	(AB)
XPB1	15-11	1300	20021	Fri	Russian intel.	MFSK-16	(AB)
XPB1	15-11	1310	19521	Fri	Russian intel.	MFSK-16	(AB)
XPB1	15-11	1320	18421	Fri	Russian intel.	MFSK-16	(AB/RL)
XPB1	15-11	1330	17421	Fri	Russian intel.	MFSK-16	(AB)
XPB1	15-11	1340	16321	Fri	Russian intel.	MFSK-16	(AB)
XPB1	15-11	1350	15921	Fri	Russian intel.	MFSK-16	(AB)
XPB1	16-11	1200	16353	Sat	Russian intel.	MFSK-16	(AB)
XPB1	16-11	1210	15953	Sat	Russian intel.	MFSK-16	(AB)
XPB1	16-11	1220	14953	Sat	Russian intel.	MFSK-16	(AB)
XPB1	16-11	1230	13453	Sat	Russian intel.	MFSK-16	(AB)
XPB1	16-11	1240	12153	Sat	Russian intel.	MFSK-16	(AB)
XPB1	16-11	1250	11453	Sat	Russian intel.	MFSK-16	(AB)
XPB1	18-11	0600	19339	Mon	Russian intel.	MFSK-16	(AB)
XPB1	18-11	0610	18239	Mon	Russian intel.	MFSK-16	(AB)
XPB1	18-11	0620	17439	Mon	Russian intel.	MFSK-16	(AB)
XPB1	18-11	0630	16339	Mon	Russian intel.	MFSK-16	(AB)
XPB1	18-11	0640	15839	Mon	Russian intel.	MFSK-16	(AB)
XPB1	18-11	0650	14439	Mon	Russian intel.	MFSK-16	(AB)
XPB1	19-11	0600	19339	Tue	Russian intel.	MFSK-16	(AB)
XPB1	19-11	0610	18239	Tue	Russian intel.	MFSK-16	(AB)
XPB1	19-11	0620	17439	Tue	Russian intel.	MFSK-16	(AB)
XPB1	19-11	0630	16339	Tue	Russian intel.	MFSK-16	(AB)
XPB1	19-11	0640	15839	Tue	Russian intel.	MFSK-16	(AB)
XPB1	19-11	0650	14439	Tue	Russian intel.	MFSK-16	(AB)
XPB1	19-11	1300	20021	Tue	Russian intel.	MFSK-16	(AB)
XPB1	19-11	1310	19521	Tue	Russian intel.	MFSK-16	(AB)
XPB1	19-11	1320	18421	Tue	Russian intel.	MFSK-16	(AB)
XPB1	19-11	1330	17421	Tue	Russian intel.	MFSK-16	(AB)
XPB1	19-11	1340	16321	Tue	Russian intel.	MFSK-16	(AB)
XPB1	19-11	1350	15921	Tue	Russian intel.	MFSK-16	(AB)

XPB1	20-11	0700	6941	Wed	Russian intel.	MFSK-16	(AB)
XPB1	20-11	0710	7541	Wed	Russian intel.	MFSK-16	(AB)
XPB1	20-11	0720	7941	Wed	Russian intel.	MFSK-16	(AB)
XPB1	20-11	0730	8141	Wed	Russian intel.	MFSK-16	(AB)
XPB1	20-11	0740	9241	Wed	Russian intel.	MFSK-16	(AB)
XPB1	20-11	0750	10241	Wed	Russian intel.	MFSK-16	(AB)
XPB1	20-11	1200	16353	Wed	Russian intel.	MFSK-16	(AB)
XPB1	20-11	1210	15953	Wed	Russian intel.	MFSK-16	(AB)
XPB1	20-11	1220	14953	Wed	Russian intel.	MFSK-16	(AB)
XPB1	20-11	1230	13453	Wed	Russian intel.	MFSK-16	(AB)
XPB1	20-11	1240	12153	Wed	Russian intel.	MFSK-16	(AB)
XPB1	20-11	1250	11453	Wed	Russian intel.	MFSK-16	(AB)
XPB1	20-11	1420	18373	Wed	Russian intel.	MFSK-16	(AB)
XPB1	21-11	1100	12157	Thu	Russian intel.	MFSK-16	(AB)
XPB1	21-11	1110	13557	Thu	Russian intel.	MFSK-16	(AB)
XPB1	21-11	1120	13957	Thu	Russian intel.	MFSK-16	(AB)
XPB1	21-11	1130	14757	Thu	Russian intel.	MFSK-16	(AB)
XPB1	21-11	1140	15857	Thu	Russian intel.	MFSK-16	(AB)
XPB1	21-11	1150	17467	Thu	Russian intel.	MFSK-16	(AB)
XPB1	21-11	1300	14362	Thu	Russian intel.	MFSK-16	(AB)
XPB1	21-11	1310	14962	Thu	Russian intel.	MFSK-16	(AB)
XPB1	21-11	1320	16062	Thu	Russian intel.	MFSK-16	(AB)
XPB1	21-11	1330	18262	Thu	Russian intel.	MFSK-16	(AB/RL)
XPB1	21-11	1340	19362	Thu	Russian intel.	MFSK-16	(AB)
XPB1	21-11	1350	20362	Thu	Russian intel.	MFSK-16	(AB)
XPB1	21-11	1500	20144	Thu	Russian intel.	MFSK-16	(AB)
XPB1	21-11	1510	19044	Thu	Russian intel.	MFSK-16	(AB)
XPB1	21-11	1520	18644	Thu	Russian intel.	MFSK-16	(AB)
XPB1	21-11	1530	17444	Thu	Russian intel.	MFSK-16	(AB)
XPB1	21-11	1540	16144	Thu	Russian intel.	MFSK-16	(AB)
XPB1	21-11	1550	14944	Thu	Russian intel.	MFSK-16	(AB)
XPB1	22-11	0700	6941	Fri	Russian intel.	MFSK-16	(AB)
XPB1	22-11	0730	8141	Fri	Russian intel.	MFSK-16	(AB)
XPB1	22-11	0750	10241	Fri	Russian intel.	MFSK-16	(AB)
XPB1	22-11	1200	12198	Fri	Russian intel.	MFSK-16	(AB)
XPB1	22-11	1210	13398	Fri	Russian intel.	MFSK-16	(AB)
XPB1	22-11	1220	14798	Fri	Russian intel.	MFSK-16	(AB)
XPB1	22-11	1230	15898	Fri	Russian intel.	MFSK-16	(AB)
XPB1	22-11	1240	18298	Fri	Russian intel.	MFSK-16	(AB/RL)
XPB1	22-11	1250	19198	Fri	Russian intel.	MFSK-16	(AB)
XPB1	22-11	1300	20021	Fri	Russian intel.	MFSK-16	(AB)
XPB1	22-11	1310	19521	Fri	Russian intel.	MFSK-16	(AB)
XPB1	22-11	1320	18421	Fri	Russian intel.	MFSK-16	(AB)

XPB1	22-11	1330	17421	Fri	Russian intel.	MFSK-16	(AB)
XPB1	22-11	1340	16321	Fri	Russian intel.	MFSK-16	(AB)
XPB1	22-11	1350	15921	Fri	Russian intel.	MFSK-16	(AB)
XPB1	22-11	1400	20373	Fri	Russian intel.	MFSK-16	(AB)
XPB1	22-11	1410	19373	Fri	Russian intel.	MFSK-16	(AB)
XPB1	22-11	1420	18373	Fri	Russian intel.	MFSK-16	(AB/RL)
XPB1	22-11	1430	17473	Fri	Russian intel.	MFSK-16	(AB)
XPB1	22-11	1440	15873	Fri	Russian intel.	MFSK-16	(AB)
XPB1	22-11	1450	14873	Fri	Russian intel.	MFSK-16	(AB)
XPB1	22-11	2110	10951	Fri	Russian intel.	MFSK-16	(Rycat)
XPB1	22-11	2120	10351	Fri	Russian intel.	MFSK-16	(Rycat)
XPB1	22-11	2130	9351	Fri	Russian intel.	MFSK-16	(Rycat)
XPB1	22-11	2140	9051	Fri	Russian intel.	MFSK-16	(Rycat)
XPB1	22-11	2150	7951	Fri	Russian intel.	MFSK-16	(Rycat)
XPB1	22-11	2300	9087	Fri	Russian intel.	MFSK-16	(Rycat)
XPB1	22-11	2310	8187	Fri	Russian intel.	MFSK-16	(Rycat)
XPB1	22-11	2320	7887	Fri	Russian intel.	MFSK-16	(Rycat)
XPB1	22-11	2330	7487	Fri	Russian intel.	MFSK-16	(Rycat)
XPB1	23-11	0200	10176	Sat	Russian intel.	MFSK-16	(Rycat)
XPB1	23-11	0210	9376	Sat	Russian intel.	MFSK-16	(Rycat)
XPB1	23-11	0220	8176	Sat	Russian intel.	MFSK-16	(Rycat)
XPB1	23-11	0230	7676	Sat	Russian intel.	MFSK-16	(Rycat)
XPB1	23-11	1100	12157	Sat	Russian intel.	MFSK-16	(AB)
XPB1	23-11	1110	13557	Sat	Russian intel.	MFSK-16	(AB)
XPB1	23-11	1120	13957	Sat	Russian intel.	MFSK-16	(AB)
XPB1	23-11	1130	14757	Sat	Russian intel.	MFSK-16	(AB)
XPB1	23-11	1140	15857	Sat	Russian intel.	MFSK-16	(AB)
XPB1	23-11	1150	17467	Sat	Russian intel.	MFSK-16	(AB)
XPB1	23-11	1200	16353	Sat	Russian intel.	MFSK-16	(AB)
XPB1	23-11	1210	15953	Sat	Russian intel.	MFSK-16	(AB)
XPB1	23-11	1220	14953	Sat	Russian intel.	MFSK-16	(AB)
XPB1	23-11	1230	13453	Sat	Russian intel.	MFSK-16	(AB)
XPB1	23-11	1240	12153	Sat	Russian intel.	MFSK-16	(AB)
XPB1	23-11	1250	11453	Sat	Russian intel.	MFSK-16	(AB)
XPB1	23-11	1300	14362	Sat	Russian intel.	MFSK-16	(AB)
XPB1	23-11	1310	14962	Sat	Russian intel.	MFSK-16	(AB)
XPB1	23-11	1320	16062	Sat	Russian intel.	MFSK-16	(AB)
XPB1	23-11	1330	18262	Sat	Russian intel.	MFSK-16	(AB)
XPB1	23-11	1340	19362	Sat	Russian intel.	MFSK-16	(AB)
XPB1	23-11	1350	20362	Sat	Russian intel.	MFSK-16	(AB)
XPB1	24-11	0040	6952	Sun	Russian intel.	MFSK-16	(Rycat)
XPB1	24-11	0050	5852	Sun	Russian intel.	MFSK-16	(Rycat)
XPB1	24-11	1200	12198	Sun	Russian intel.	MFSK-16	(AB)

XPB1	24-11	1210	13398	Sun	Russian intel.	MFSK-16	(AB)
XPB1	24-11	1220	14798	Sun	Russian intel.	MFSK-16	(AB)
XPB1	24-11	1230	15898	Sun	Russian intel.	MFSK-16	(AB)
XPB1	24-11	1240	18298	Sun	Russian intel.	MFSK-16	(AB)
XPB1	24-11	1250	19198	Sun	Russian intel.	MFSK-16	(AB)
XPB1	24-11	1400	20373	Sun	Russian intel.	MFSK-16	(AB)
XPB1	24-11	1410	19373	Sun	Russian intel.	MFSK-16	(AB)
XPB1	24-11	1420	18373	Sun	Russian intel.	MFSK-16	(AB/MCO)
XPB1	24-11	1430	17473	Sun	Russian intel.	MFSK-16	(AB/MCO)
XPB1	24-11	1440	15873	Sun	Russian intel.	MFSK-16	(AB/MCO)
XPB1	24-11	1450	14873	Sun	Russian intel.	MFSK-16	(AB/MCO)
XPB1	25-11	0600	19339	Mon	Russian intel.	MFSK-16	(AB)
XPB1	25-11	0610	18239	Mon	Russian intel.	MFSK-16	(AB)
XPB1	25-11	0620	17439	Mon	Russian intel.	MFSK-16	(AB)
XPB1	25-11	0630	16339	Mon	Russian intel.	MFSK-16	(AB)
XPB1	25-11	0640	15839	Mon	Russian intel.	MFSK-16	(AB)
XPB1	25-11	0650	14439	Mon	Russian intel.	MFSK-16	(AB)
XPB1	25-11	0700	6941	Mon	Russian intel.	MFSK-16	(AB)
XPB1	25-11	0710	7541	Mon	Russian intel.	MFSK-16	(AB)
XPB1	25-11	0720	7941	Mon	Russian intel.	MFSK-16	(AB)
XPB1	25-11	0730	8141	Mon	Russian intel.	MFSK-16	(AB)
XPB1	25-11	0740	9241	Mon	Russian intel.	MFSK-16	(AB)
XPB1	25-11	0750	10241	Mon	Russian intel.	MFSK-16	(AB)
XPB1	25-11	1200	12198	Mon	Russian intel.	MFSK-16	(AB)
XPB1	25-11	1210	13398	Mon	Russian intel.	MFSK-16	(AB)
XPB1	25-11	1220	14798	Mon	Russian intel.	MFSK-16	(AB)
XPB1	25-11	1230	15898	Mon	Russian intel.	MFSK-16	(AB)
XPB1	25-11	1240	18298	Mon	Russian intel.	MFSK-16	(AB)
XPB1	25-11	1250	19198	Mon	Russian intel.	MFSK-16	(AB)
XPB1	25-11	1400	20373	Mon	Russian intel.	MFSK-16	(AB)
XPB1	25-11	1410	19373	Mon	Russian intel.	MFSK-16	(AB)
XPB1	25-11	1420	18373	Mon	Russian intel.	MFSK-16	(AB)
XPB1	25-11	1430	17473	Mon	Russian intel.	MFSK-16	(AB)
XPB1	25-11	1440	15873	Mon	Russian intel.	MFSK-16	(AB)
XPB1	25-11	1450	14873	Mon	Russian intel.	MFSK-16	(AB)
XPB1	25-11	2150	7951	Mon	Russian intel.	MFSK-16	(Rycat)
XPB1	25-11	2300	9087	Mon	Russian intel.	MFSK-16	(Rycat)
XPB1	25-11	2310	8187	Mon	Russian intel.	MFSK-16	(Rycat)
XPB1	25-11	2320	7887	Mon	Russian intel.	MFSK-16	(Rycat)
XPB1	25-11	2330	7487	Mon	Russian intel.	MFSK-16	(Rycat)
XPB1	25-11	2340	6787	Mon	Russian intel.	MFSK-16	(Rycat)
XPB1	25-11	2350	5887	Mon	Russian intel.	MFSK-16	(Rycat)
XPB1	26-11	0200	10176	Tue	Russian intel.	MFSK-16	(TM)

XPB1	26-11	0210	9376	Tue	Russian intel.	MFSK-16	(TM)
XPB1	26-11	0220	8176	Tue	Russian intel.	MFSK-16	(TM)
XPB1	26-11	0230	7676	Tue	Russian intel.	MFSK-16	(TM)
XPB1	26-11	0240	6976	Tue	Russian intel.	MFSK-16	(TM)
XPB1	26-11	0250	5876	Tue	Russian intel.	MFSK-16	(TM)
XPB1	26-11	0400	10154	Tue	Russian intel.	MFSK-16	(TM)
XPB1	26-11	0410	9354	Tue	Russian intel.	MFSK-16	(TM)
XPB1	26-11	0420	9054	Tue	Russian intel.	MFSK-16	(TM)
XPB1	26-11	0430	8154	Tue	Russian intel.	MFSK-16	(TM)
XPB1	26-11	0440	7654	Tue	Russian intel.	MFSK-16	(TM)
XPB1	26-11	0450	6854	Tue	Russian intel.	MFSK-16	(TM)
XPB1	26-11	0600	19339	Tue	Russian intel.	MFSK-16	(AB)
XPB1	26-11	0610	18239	Tue	Russian intel.	MFSK-16	(AB)
XPB1	26-11	0620	17439	Tue	Russian intel.	MFSK-16	(AB)
XPB1	26-11	0630	16339	Tue	Russian intel.	MFSK-16	(AB)
XPB1	26-11	0640	15839	Tue	Russian intel.	MFSK-16	(AB)
XPB1	26-11	0650	14439	Tue	Russian intel.	MFSK-16	(AB)
XPB1	26-11	1100	12157	Tue	Russian intel.	MFSK-16	(AB)
XPB1	26-11	1110	13557	Tue	Russian intel.	MFSK-16	(AB)
XPB1	26-11	1120	13957	Tue	Russian intel.	MFSK-16	(AB)
XPB1	26-11	1130	14757	Tue	Russian intel.	MFSK-16	(AB)
XPB1	26-11	1140	15857	Tue	Russian intel.	MFSK-16	(AB)
XPB1	26-11	1150	17467	Tue	Russian intel.	MFSK-16	(AB)
XPB1	26-11	1300	14362	Tue	Russian intel.	MFSK-16	(AB)
XPB1	26-11	1300	14362	Tue	Russian intel.	MFSK-16	(AB)
XPB1	26-11	1300	20021	Tue	Russian intel.	MFSK-16	(AB)
XPB1	26-11	1310	14962	Tue	Russian intel.	MFSK-16	(AB)
XPB1	26-11	1310	19521	Tue	Russian intel.	MFSK-16	(AB)
XPB1	26-11	1320	16062	Tue	Russian intel.	MFSK-16	(AB)
XPB1	26-11	1320	18421	Tue	Russian intel.	MFSK-16	(AB)
XPB1	26-11	1330	17421	Tue	Russian intel.	MFSK-16	(AB)
XPB1	26-11	1330	18262	Tue	Russian intel.	MFSK-16	(AB)
XPB1	26-11	1340	16321	Tue	Russian intel.	MFSK-16	(AB)
XPB1	26-11	1340	19362	Tue	Russian intel.	MFSK-16	(AB)
XPB1	26-11	1350	15921	Tue	Russian intel.	MFSK-16	(AB)
XPB1	26-11	1350	20362	Tue	Russian intel.	MFSK-16	(AB)
XPB1	26-11	1500	20144	Tue	Russian intel.	MFSK-16	(AB)
XPB1	26-11	1510	19044	Tue	Russian intel.	MFSK-16	(AB)
XPB1	26-11	1520	18644	Tue	Russian intel.	MFSK-16	(AB)
XPB1	26-11	1530	17444	Tue	Russian intel.	MFSK-16	(AB)
XPB1	26-11	1540	16144	Tue	Russian intel.	MFSK-16	(AB)
XPB1	26-11	1550	14944	Tue	Russian intel.	MFSK-16	(AB)
XPB1	27-11	0000	9352	Wed	Russian intel.	MFSK-16	(AB)

XPB1	27-11	0010	9052	Wed	Russian intel.	MFSK-16	(AB)
XPB1	27-11	0020	8152	Wed	Russian intel.	MFSK-16	(AB)
XPB1	27-11	0030	7752	Wed	Russian intel.	MFSK-16	(AB)
XPB1	27-11	0040	6952	Wed	Russian intel.	MFSK-16	(AB)
XPB1	27-11	0050	5852	Wed	Russian intel.	MFSK-16	(AB)
XPB1	27-11	0700	6941	Wed	Russian intel.	MFSK-16	(AB)
XPB1	27-11	0710	7541	Wed	Russian intel.	MFSK-16	(AB)
XPB1	27-11	0720	7941	Wed	Russian intel.	MFSK-16	(AB)
XPB1	27-11	0730	8141	Wed	Russian intel.	MFSK-16	(AB)
XPB1	27-11	0740	9241	Wed	Russian intel.	MFSK-16	(AB)
XPB1	27-11	0750	10241	Wed	Russian intel.	MFSK-16	(AB)
XPB1	27-11	1200	16353	Wed	Russian intel.	MFSK-16	(AB)
XPB1	27-11	1210	15953	Wed	Russian intel.	MFSK-16	(AB)
XPB1	27-11	1220	14953	Wed	Russian intel.	MFSK-16	(AB)
XPB1	27-11	1230	13453	Wed	Russian intel.	MFSK-16	(AB)
XPB1	27-11	1240	12153	Wed	Russian intel.	MFSK-16	(AB)
XPB1	27-11	1250	11453	Wed	Russian intel.	MFSK-16	(AB)
XPB1	27-11	1400	20373	Wed	Russian intel.	MFSK-16	(AB)
XPB1	27-11	1410	19373	Wed	Russian intel.	MFSK-16	(AB)
XPB1	27-11	1420	18373	Wed	Russian intel.	MFSK-16	(AB)
XPB1	27-11	1430	17473	Wed	Russian intel.	MFSK-16	(AB)
XPB1	27-11	1440	15873	Wed	Russian intel.	MFSK-16	(AB)
XPB1	27-11	1450	14873	Wed	Russian intel.	MFSK-16	(AB)
XPB1	28-11	0200	10176	Thu	Russian intel.	MFSK-16	(TM)
XPB1	28-11	0210	9376	Thu	Russian intel.	MFSK-16	(TM)
XPB1	28-11	0220	8176	Thu	Russian intel.	MFSK-16	(TM)
XPB1	28-11	0230	7676	Thu	Russian intel.	MFSK-16	(TM)
XPB1	28-11	0240	6976	Thu	Russian intel.	MFSK-16	(TM)
XPB1	28-11	0250	5876	Thu	Russian intel.	MFSK-16	(TM)
XPB1	28-11	1100	12157	Thu	Russian intel.	MFSK-16	(AB)
XPB1	28-11	1110	13557	Thu	Russian intel.	MFSK-16	(AB)
XPB1	28-11	1120	13957	Thu	Russian intel.	MFSK-16	(AB)
XPB1	28-11	1130	14757	Thu	Russian intel.	MFSK-16	(AB)
XPB1	28-11	1140	15857	Thu	Russian intel.	MFSK-16	(AB)
XPB1	28-11	1150	17467	Thu	Russian intel.	MFSK-16	(AB)
XPB1	28-11	1300	14362	Thu	Russian intel.	MFSK-16	(AB)
XPB1	28-11	1310	14962	Thu	Russian intel.	MFSK-16	(AB)
XPB1	28-11	1320	16062	Thu	Russian intel.	MFSK-16	(AB)
XPB1	28-11	1330	18262	Thu	Russian intel.	MFSK-16	(AB)
XPB1	28-11	1340	19362	Thu	Russian intel.	MFSK-16	(AB)
XPB1	28-11	1350	20362	Thu	Russian intel.	MFSK-16	(AB)
XPB1	28-11	1500	20144	Thu	Russian intel.	MFSK-16	(AB)
XPB1	28-11	1510	19044	Thu	Russian intel.	MFSK-16	(AB)

XPB1	28-11	1520	18644	Thu	Russian intel.	MFSK-16	(AB)
XPB1	28-11	1530	17444	Thu	Russian intel.	MFSK-16	(AB)
XPB1	28-11	1540	16144	Thu	Russian intel.	MFSK-16	(AB)
XPB1	28-11	1550	14944	Thu	Russian intel.	MFSK-16	(AB)
XPB1	29-11	0700	6941	Fri	Russian intel.	MFSK-16	(AB)
XPB1	29-11	0710	7541	Fri	Russian intel.	MFSK-16	(AB)
XPB1	29-11	0720	7941	Fri	Russian intel.	MFSK-16	(AB)
XPB1	29-11	0730	8141	Fri	Russian intel.	MFSK-16	(AB)
XPB1	29-11	0740	9241	Fri	Russian intel.	MFSK-16	(AB)
XPB1	29-11	0750	10241	Fri	Russian intel.	MFSK-16	(AB)
XPB1	29-11	1200	12198	Fri	Russian intel.	MFSK-16	(AB)
XPB1	29-11	1210	13398	Fri	Russian intel.	MFSK-16	(AB)
XPB1	29-11	1220	14798	Fri	Russian intel.	MFSK-16	(AB)
XPB1	29-11	1230	15898	Fri	Russian intel.	MFSK-16	(AB)
XPB1	29-11	1240	18298	Fri	Russian intel.	MFSK-16	(AB)
XPB1	29-11	1250	19198	Fri	Russian intel.	MFSK-16	(AB)
XPB1	29-11	1300	20021	Fri	Russian intel.	MFSK-16	(AB)
XPB1	29-11	1310	19521	Fri	Russian intel.	MFSK-16	(AB)
XPB1	29-11	1320	18421	Fri	Russian intel.	MFSK-16	(AB)
XPB1	29-11	1330	17421	Fri	Russian intel.	MFSK-16	(AB)
XPB1	29-11	1340	16321	Fri	Russian intel.	MFSK-16	(AB)
XPB1	29-11	1350	15921	Fri	Russian intel.	MFSK-16	(AB)
XPB1	29-11	1400	20373	Fri	Russian intel.	MFSK-16	(AB)
XPB1	29-11	1410	19373	Fri	Russian intel.	MFSK-16	(AB)
XPB1	29-11	1420	18373	Fri	Russian intel.	MFSK-16	(AB)
XPB1	29-11	1430	17473	Fri	Russian intel.	MFSK-16	(AB)
XPB1	29-11	1440	15873	Fri	Russian intel.	MFSK-16	(AB)
XPB1	29-11	1450	14873	Fri	Russian intel.	MFSK-16	(AB)
XPB1	29-11	2100	11551	Fri	Russian intel.	MFSK-16	(AB)
XPB1	29-11	2110	10951	Fri	Russian intel.	MFSK-16	(AB)
XPB1	29-11	2120	10351	Fri	Russian intel.	MFSK-16	(AB)
XPB1	29-11	2130	9351	Fri	Russian intel.	MFSK-16	(AB)
XPB1	29-11	2140	9051	Fri	Russian intel.	MFSK-16	(AB)
XPB1	29-11	2150	7951	Fri	Russian intel.	MFSK-16	(AB)
XPB1	29-11	2300	9087	Fri	Russian intel.	MFSK-16	(AB)
XPB1	29-11	2310	8187	Fri	Russian intel.	MFSK-16	(AB)
XPB1	29-11	2320	7887	Fri	Russian intel.	MFSK-16	(AB)
XPB1	29-11	2330	7487	Fri	Russian intel.	MFSK-16	(AB)
XPB1	29-11	2340	6787	Fri	Russian intel.	MFSK-16	(AB)
XPB1	29-11	2350	5887	Fri	Russian intel.	MFSK-16	(AB)
XPB1	30-11	0200	10176	Sat	Russian intel.	MFSK-16	(AB)
XPB1	30-11	0210	9376	Sat	Russian intel.	MFSK-16	(AB)
XPB1	30-11	0220	8176	Sat	Russian intel.	MFSK-16	(AB)

XPB1	30-11	0230	7676	Sat	Russian intel.	MFSK-16	(AB)
XPB1	30-11	0240	6976	Sat	Russian intel.	MFSK-16	(AB)
XPB1	30-11	0250	5876	Sat	Russian intel.	MFSK-16	(AB)
XPB1	30-11	0400	10154	Sat	Russian intel.	MFSK-16	(AB)
XPB1	30-11	0410	9354	Sat	Russian intel.	MFSK-16	(AB)
XPB1	30-11	0420	9054	Sat	Russian intel.	MFSK-16	(AB)
XPB1	30-11	0430	8154	Sat	Russian intel.	MFSK-16	(AB)
XPB1	30-11	0440	7654	Sat	Russian intel.	MFSK-16	(AB)
XPB1	30-11	0450	6854	Sat	Russian intel.	MFSK-16	(AB)
XPB1	30-11	0600	5836	Sat	Russian intel.	MFSK-16	(AB)
XPB1	30-11	0610	6836	Sat	Russian intel.	MFSK-16	(AB)
XPB1	30-11	0620	7536	Sat	Russian intel.	MFSK-16	(AB)
XPB1	30-11	0630	7936	Sat	Russian intel.	MFSK-16	(AB)
XPB1	30-11	0640	8136	Sat	Russian intel.	MFSK-16	(AB)
XPB1	30-11	0650	9136	Sat	Russian intel.	MFSK-16	(AB)
XPB1	30-11	1100	12157	Sat	Russian intel.	MFSK-16	(AB)
XPB1	30-11	1110	13557	Sat	Russian intel.	MFSK-16	(AB)
XPB1	30-11	1120	13957	Sat	Russian intel.	MFSK-16	(AB)
XPB1	30-11	1130	14757	Sat	Russian intel.	MFSK-16	(AB)
XPB1	30-11	1140	15857	Sat	Russian intel.	MFSK-16	(AB)
XPB1	30-11	1150	17467	Sat	Russian intel.	MFSK-16	(AB)
XPB1	30-11	1200	16353	Sat	Russian intel.	MFSK-16	(AB)
XPB1	30-11	1210	15953	Sat	Russian intel.	MFSK-16	(AB)
XPB1	30-11	1220	14953	Sat	Russian intel.	MFSK-16	(AB)
XPB1	30-11	1230	13453	Sat	Russian intel.	MFSK-16	(AB)
XPB1	30-11	1240	12153	Sat	Russian intel.	MFSK-16	(AB)
XPB1	30-11	1250	11453	Sat	Russian intel.	MFSK-16	(AB)
XPB1	30-11	1300	14362	Sat	Russian intel.	MFSK-16	(AB)
XPB1	30-11	1310	14962	Sat	Russian intel.	MFSK-16	(AB)
XPB1	30-11	1320	16062	Sat	Russian intel.	MFSK-16	(AB)
XPB1	30-11	1330	18262	Sat	Russian intel.	MFSK-16	(AB)
XPB1	30-11	1340	19362	Sat	Russian intel.	MFSK-16	(AB)
XPB1	30-11	1350	20362	Sat	Russian intel.	MFSK-16	(AB)
XPB1	30-11	1500	20144	Sat	Russian intel.	MFSK-16	(AB)
XPB1	30-11	1510	19044	Sat	Russian intel.	MFSK-16	(AB)
XPB1	30-11	1520	18644	Sat	Russian intel.	MFSK-16	(AB)
XPB1	30-11	1530	17444	Sat	Russian intel.	MFSK-16	(AB)
XPB1	30-11	1540	16144	Sat	Russian intel.	MFSK-16	(AB)
XPB1	30-11	1550	14944	Sat	Russian intel.	MFSK-16	(AB)

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AB-HNG	Ary Boender via remote rx Hungary
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AB-POL	Ary Boender via remote rx Poland
AB-S	Ary Boender via remote rx Sweden
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CL	Carlos Latuff, Brazil
CrLa	Cryptlab
Dan	Daniel LU5EMM, Argentina
EW	Eddy Waters, Australia
F5JBR	F5JBR André, France
FD	Full Day Waterfall, University Twente SDR
Fspy	Feline Spy SWL
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HFD-J	Hans-Friedrich Dumrese via remote rx Japan
HFD-POL	Hans-Friedrich Dumrese via remote rx Poland
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Rycat	Rycat via Priyom
Subilo	Subilo
SW2	Sam, UK
TJ	Trond Jacobsen, Norway
TM	Time Machine

APPENDIX

Designators of active stations

Prefixes

E	English language
F	FSK (Frequency Shift Keying) modes
G	German language
HM	Hybrid modes
M(C)	Morse code (Chinese)
P	PSK modes. QPSK (Quadrature Phase Shift Keying) and BPSK (Binary Phase-Shift keying) modes
Q	4+4 QPSK mode
S	Slavic languages
SK	Various modes used by Cuba, incl. (B)PSK, WinDRM
UM(C)	Unid Morse station (Chinese)
V	Voice broadcasts in other languages
VC	Voice Chinese
XP	MFSK (polytone) modes

Active voice stations

Code	Language	Origin	Related stations
E06	English	Russia	E06, S06, M14, F01, F06, F06a
E07	English	Russia	E07, V07, V07F, M12, F07, P07, XPA1, XPA2, XPB1
E11	English	Poland	E11, E11a, S11a, F03, P03
E11a	English	Poland	E11, E11a, S11a, F03, P03
S06	Russian	Russia	E06, S06, M14, F01, F06, F06a
S06b	Russian	Russia	E06, S06, M14, F01, F06, F06a
S06c	Russian	Russian	E06, S06, M14, F01, F06, F06a
S11a	Russian	Poland	E11, E11a, S11a, F03, P03
S25	Russian	Russia	
V07	Spanish	Russia	E07, V07, V07F, M12, F07, P07, XPA1, XPA2, XPB1
V07F	French	Russia	E07, V07, V07F, M12, F07, P07, XPA1, XPA2, XPB1
V13	Mandarin	Taiwan	
V26	Chinese	China	M95, Q26, V26
V28	Korean	North Korea	
VC01	Chinese	China	VC03, MC03
VC03	Chinese	China	VC01, MC03

Active morse stations

Code	Mode	Origin	Related stations
M01	Morse	Russia	M01a
M01a	Morse	Russia	M01
M12	Morse	Russia	E07, V07, V07F, M12, F07, P07, XPA1, XPA2, XPB1
M14	Morse	Russia	E06, S06, M14, F01, F06, F06a
M14d	Morse	Russia	E06, S06, M14, F01, F06, F06a
M21	Morse	Russia	M41
M22	Morse	Israel	
M23	Morse	France	
M41	Morse	Russia	M21
M51a	Morse	France	M51b
M51b	Morse	France	M51a
M76	Morse	?	
M89	Morse	China	
M95	Morse	China	M95, Q26, V26
MC03	Morse	China	VC01, VC03
UM03	Morse	China	
UM04	Morse	Bulgaria	PROMRCh daily schedule
UM05	Morse	France	Morse training. 24/7 operation
UM06	Morse	France?	Various formats. Often 5-letter strings separated by a 5-digit group
UM10	Morse	?	ID repeated for 10 minutes on two parallel frequencies. Messages are rare

Active digital stations

Code	Mode	Origin	Related stations
F01	FSK	Russia	E06, S06, M14, F01, F06, F06a
F02	FTM-4 (FSK-4/150Bd/4000Hz)	Russia	
F03	2FSK, 4FSK	Poland	E11, E11a, S11a, P03
F06	FSK	Russia	E06, S06, M14, F01, F06, F06a
F06a	FSK	Russia	E06, S06, M14, F01, F06, F06a
F07	5 x 16-tone MFSK, 10 Bd, 20 Hz + BPSK, 250 Bd	Russia	E07, V07, V07F, M12, F07, P07, XPA1, XPA2, XPB1
HM01	Voice + WinDRM	Cuba	
M42	Various modes	Russia	
P03	BPSK, QPSK	Poland	E11, E11a, S11a, F03
P07	8-tone OFDM, QSPK, 62.5 Bd, 125 Hz + BPSK, 250 Bd bursts	Russia	E07, V07, V07F, M12, F07, P07, XPA1, XPA2, XPB1
Q26	4+4 QPSK 75/3000 LSB or 4+4 QPSK 75/1000 LSB	China	M95, Q26, V26
X06	MFSK-6	Russia	Several variants X06a, X06b, X06c, X06d
XPA1	MFSK-20	Russia	E07, V07, V07F, M12, F07, P07, XPA1, XPA2, XPB1
XPA2	MFSK-16	Russia	E07, V07, V07F, M12, F07, P07, XPA1, XPA2, XPB1
XPB1	MFSK-16	Russia	E07, V07, V07F, M12, F07, P07, XPA1, XPA2, XPB1

Figures and words used by the various numbers stations

Cut numbers

Chinese cut numbers
(M89, M95, MC03, etc)

A	U	3	4	5	6	7	D	N	T
1	2	3	4	5	6	7	8	9	0

M08a cut numbers

A	N	D	U	W	R	I	G	M	T
1	2	3	4	5	6	7	8	9	0

Q26 conversion

F	J	B	P	G	U	Y	M	C	W
0	1	2	3	4	5	6	7	8	9

Word	E11a	S11a	M03
Attention	Attention	Vnimanye	
Slash /	Oblique	Cirta	— . . — .
Out	Out	Konets	

Note: M03 and M08a are defunct.

Figure	English	French	German	Mandarin	Spanish	Russian	Arabic
0	Zero	Zero	Null	Ling	Cero	Null	Sifr
1	One	Un	Eins	Yi	Uno	Odín	Wahid
2	Two	Deux	Zwei	Er	Dos	Dva	It'nien
3	Three	Trois	Drei	San	Tres	Tri	Talata
4	Four	Quatre	Vier	Si	Cuatro	Chety're	Arba`a
5	Five	Cinq	Fünf	Wu	Cinco	Pyat'	Xamsa
6	Six	Six	Sechs	Liu	Seis	Shest'	Sitta
7	Seven	Sept	Sieben	Qi	Siete	Sem'	Sab`a
8	Eight	Huit	Acht	Ba	Ocho	Vósem'	Tamanya
9	Nine	Neuf	Neun	Jiu	Nueve	Dévyat'	Tiss`a

Figure	Morse	Vietnamese	E17z	S11a	G06	E11
0	— — — — —	Số không	Zero	Nul	Null	Zero
1	. — — — —	Một	Van	Adinka	Eins	One
2	. . — — —	Hai	To	Dwojka	Twso	Two
3	. . . — —	Ba	Fwee	Trojka	Drei	Three
4	 —	Bô'n	Fo	Cienciorka	Vier	Four
5		Năm	Fav	Pietiorka	Funuf	Fiver
6	—	Sáu	Six	Szest	Sechs	Six
7	— — . . .	Ba y	Seven	Siem	Sieben	Seven
8	— — — . .	Tám	Eight	Wosiem	Acht	Eight
9	— — — — .	Chín	Nine	Diewiet	Neugen	Niner
=	— . . . —					
/	—					

Morse characters

A	. -	1	. - - - -	Full stop (period)	[.]	. - . - . -
B	- . . .	2	. . - - -	Comma	[,]	- - . . - -
C	- . - .	3	. . . - -	Colon	[:]	- - - . . .
D	- . .	4	 -	Question mark	[?]	. . - - . .
E	.	5		Exclamation mark	[!]	- . - . - -
F	. . - .	6	-	Apostrophe	[']	. - - - - .
G	- - .	7	- - . . .	Dash or Hyphen	[-]	- -
H		8	- - - . .	Slash	[/]	- . . - .
I	. .	9	- - - - .	Left-hand bracket	[(]	- . - - .
J	. - - -	0	- - - - -	Right-hand bracket	[)]	- . - - . -
K	- . -			Quotation marks	[" "]	. - . . - .
L	. - . .			Equals sign	[BT =]	- . . . -
M	- -	Accented letters		Understood		. . . - .
N	- .			Plus sign	[+]	. - . - .
O	- - -			Invitation to transmit		- . -
P	. - - .			Wait	[AS]	. - . . .
Q	- - . -			End of Transmission	[SK, VA]	. . . - . -
R	. - .			End of message	[AR]	. - . - .
S	. . .			Starting signal		- . . - .
T	-			Multiplication sign	[×]	- . . -
U	. . -			At sign	[@]	. - - . - .
V	. . . -			Break	[BK]	- . . . - .
W	. - -			Ampersand	[&]	. - . . .
X	- . . .					
Y	- . - -					
Z	- - . .					

See also

<http://udxf.nl/Morse-document.pdf>

<http://udxf.nl/Russian.pdf>

E11 family digital transmission modes.

Most modes are very much the same and have only very small differences.

FSK transmissions

F03a	FSK-2 100Bd/200Hz cf + 600Hz
F03b	FSK-2 200Bd/400Hz
F03c	FSK-2 400Bd/960Hz/cf +1120Hz/448-bit period
F03d	FSK-2 200Bd/400Hz/cf +600Hz/448-bit period
F03f	FSK-2 400Bd/800Hz/cf +1200Hz/496-bit period
F03g	BPSK 50Bd/1000Hz/464 bits
F03h	BPSK 100Bd/1000Hz/512 bits
F03i	FSK-2 100Bd/800Hz/cf +1200Hz/488-bit period
F03j	FSK-4 100Bd/400Hz/cf +1200Hz/448-bit period
F03k	FSK-2 400Bd/800Hz/cf +1200Hz/448-bit period
F03l	FSK-2 100Bd/200Hz/cf +700Hz/448-bit period
F11	FSK 100Bd/620Hz and FSK 100Bd/740Hz

PSK transmissions

P03	Undefined PSK
P03a	BPSK 62.5Bd
P03b	QPSK 62.5Bd
P03c	BPSK 125Bd
P03d	QPSK 125Bd/448-bit period
P03e	QPSK 100Bd/488-bit period
P03f	QPSK 200Bd/496-bit period
P03g	BPSK 50Bd/464-bit period
P03h	BPSK 100Bd/512-bit period
P03i	BPSK 62.5Bd/464-bit period
P03j	QPSK 100Bd/504-bit period
P03k	BPSK 100Bd/480-bit period
P03l	QPSK 100Bd/464-bit period

Notes:

- Bit Period is the time needed to transmit one bit
- Defunct modes F03a, F03b, F11, P03a, P03b, P03c

COLOPHON

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NUMBERS & ODDITIES <http://www.numbersoddities.nl>
SPY NUMBERS ONLINE DATABASE <http://www.spynumbers.com/numbersDB>
UDXF - UTILITY DXERS FORUM <http://www.udxf.nl>
HF UNDERGROUND <http://www.hfunderground.com/board/>
PRIYOM <http://priyom.org/>
ENIGMA <http://www.signalshed.com/>

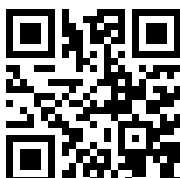
NUMBERS STATIONS SCHEDULES <http://priyom.org/number-stations/station-schedule>

To become an UDXF member go to <https://groups.io/g/UDXF> and follow the instructions.

To become a Spooks member go to <http://mailman.qth.net/mailman/listinfo/spooks> fill in the form and follow the instructions that will be mailed to you.

976 27364 92886 89428 61288 14982 30498 32704 81276 81
986 40932 70987 32123 49817 26346 81287 65491 87364 81
721 75654 55656 12737 72727 72727 91918 63473 67867 70
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